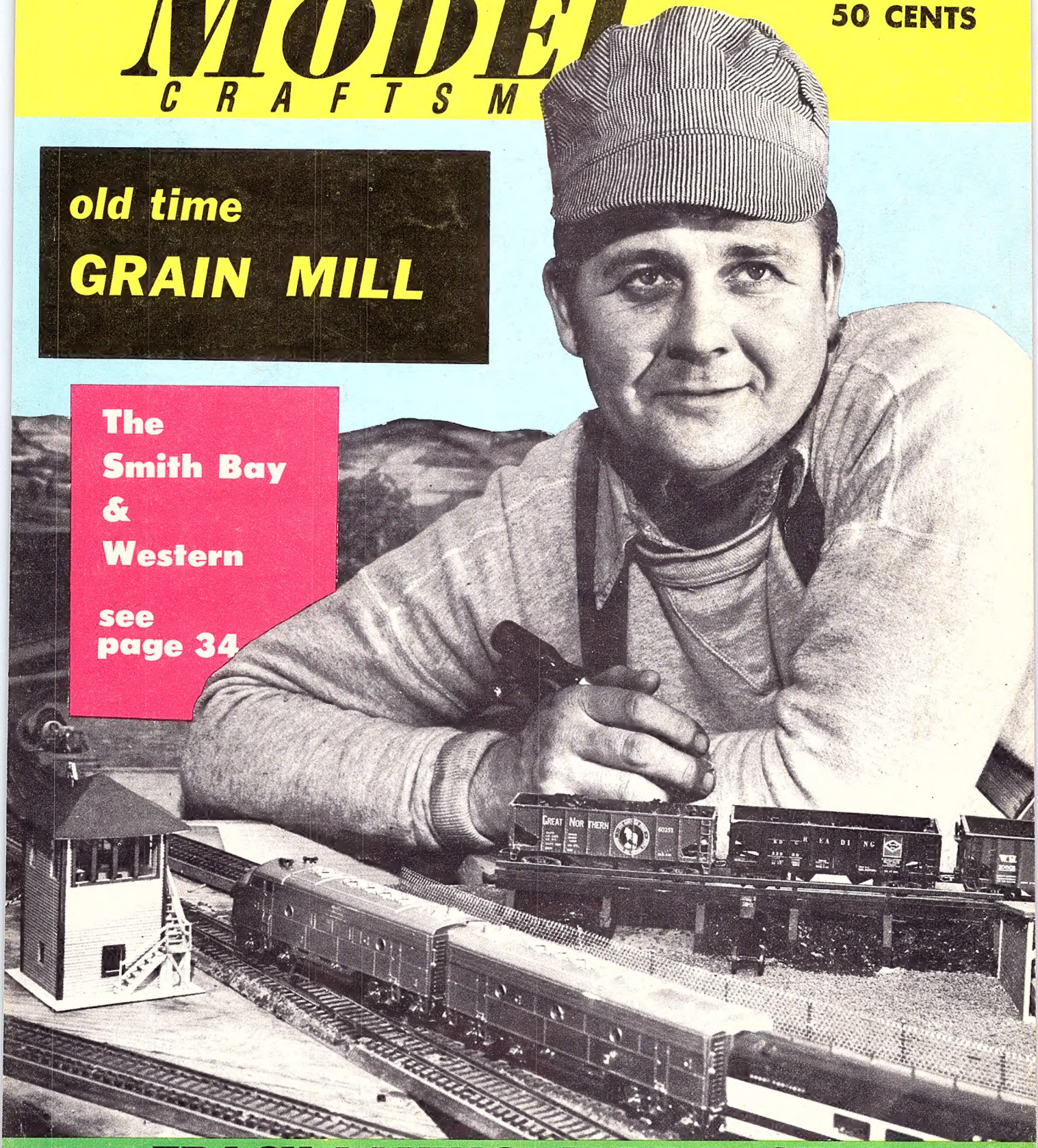
RAILROAD MODELCRAFTSMAN

MARCH 1955
50 CENTS

old time GRAIN MILL

The Smith Bay & Western

see page 34



TRACK LAYING MADE EASY

SP Auto Car

Santa Fe Mikado

OUR NEW POLICY -- HOBBY HOUSE WILL NOT BE UNDERSOLD!

THE LARGEST AND MOST COMPLETE SELECTION OF MODEL TRAINS IN THE NATION!
WE CARRY EVERY ITEM OF LIONEL & AMERICAN FLYER ALL 12 MONTHS OF THE YEAR!!
A 1-YEAR WARRANTY ON LIONEL & AMERICAN FLYER

LIONEL

All 1954 Lionel Sets And Accessories

REDUCED

Send Stamp For List

SPECIAL TRACKAGE FOR LIONEL:

Peare 3-rail curvable. 172 track, brass or steel 3-ft. length	$ 1.45
Peare Brass Rail Switches to match above track, right & left, pr.	9.95
Pea.e Hi-Rail Switch Kit R or L	3.95
Hi-Rail .250 Brass Rail, 99 ft.	10.95

Gargraves:

3′ sec. Steel, 6 pcs. for	$ 5.70
3′ sec. Stainless Steel, 6 for	7.20
3-rail Switches, R or L, ea.	6.00
Century Switches, R or L, ea.	6.95
Same R.C. with Controller, ea.	10.95

SCENIC SUPPLIES:

Tunnels, Sturdy, Beautiful Coloring: 100 Straight 11½″ long	$ 1.00
20 Straight, 15″ long	2.00
New Mountain, Colorful, 16x10x8	1.00
Mountain, Snow, Country, Valley "Easy-Built" Scenic Paper 2x5	.50
Landscape sheets, 50″ x 18″ (Choice of Grass, Meadow, Earth, Cork, Ballast, Snow or Sand)	1.00
Same, 50″x34″ in Meadow or Grass	1.75
Grass, bag ...$.50 Goal, bag	.40
Ballast, bag ...35 Gravel, bag	.30
Earth, Minerals or Snow, bag	.35
Scenic Backgrounds, colorful, Farm, Town or Mountain, sheet	1.00
Celastic Scenery kits, Introductory	1.98
Larger Kit No. 2	5.95
Giant No. 3 kit	9.95
Trees, 3″ to 5″, 6 per box	1.00
Trees, 5″ to 8″, 4 per box	1.00
Green shade, Orange, Apple, Cypress, Autumn, Spring, Snow or Assorted	
Landscape Kits 3″ to 5″, 19 pcs.	2.00
Landscape Kits 5″ to 8″, 15 pcs.	2.00
Hedge, Green or flowered. 6 pcs.	1.00
Ornamental Flowers, 6 asstd. bags.	1.00
Lichen, Green, rust or mixed, box	1.00

EXTRAS:

Loco Smoke for L or AF, bottle	$ .69
Track Cleaner, bottle	.98
Ill. Bumper for Lionel or Marx	.98
Over-and-Under Trestle Set, 20 pcs.	4.95
Set of 4 Lamp Posts	2.75
Tops for Revolving Beacon	1.00
Rotating Beacon Assembly	1.50
Engineers Caps, Small, Med. or Lg.	.89
Dinky Toys, complete stock, Cat.	.10

BUILDINGS, FIGURES, SIGNS:

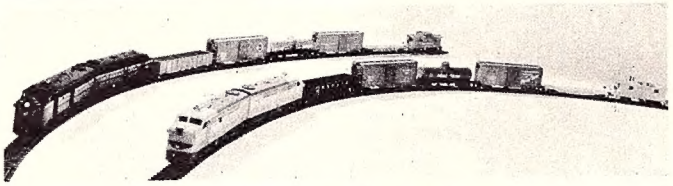
Plastic Frosty Bar	$ .79
Interlocking Tower	.79
Railroad Signal Bridge	.79
Airport Administration Bldg.	1.98
Set of 10 Asstd. Vehicles	1.49
2-story Colonial House	1.29
1½-story Modern House	1.29
Set of 12 Colorful Hand Painted Figures, $3.00 Value:	
12 Passenger Figures, set	2.75
12 Railroad Workmen, set	2.75
12 Railroad Trainmen, set	2.75
Corner Store with Figures	1.29
Gas Statin and Pumps	.89
Barn and Silo with Figures	1.29

BUILDINGS:

50 School House	$ 1.95
160 Station	2.00
161 Bungalow	3.00
162 Factory	3.00
163 Station	4.00
164 Barn	4.00
165 Grain Elevator	4.00
166 Church	4.95
167 Town Hall	4.95
168 Hotel	4.98
270 News & Frank Stand	2.00
271 3-piece Stop Set	3.00
272 Station & Newsstand	3.00
273 Sub. R.R. Station	3.00
274 Freight Station	4.00
275 Diner	4.50

STATIONS FOR O GAUGE WITH LIGHTED, ANIMATED INTERIOR DETAIL

700 Station News Stand, Reg. 4.49.	$ 3.49
900 Freight Stations, Reg. 5.49	3.95
1000 Exquisite Diner, Reg. 7.95	5.50



Hobbyline No. 460 and 465 Train Sets

HOBBYLINE TRAIN SETS — HO SCALE

Authentic Scale Models, completely assembled with automatic couplers, painted and lettered, ready to put on the track and run. Sets priced to $31.95 have 12 straight and 4 curved track sections. Sets at $39.95 and up have 4 additional sections of straight track. All track furnished matches Atlas "Snap Track."

Set 410. Dual powered Diesel Switcher Loco, 1 Baggage-Coach, 3 Coaches, all lettered Pennsylvania	$26.50
Set 415. Same as set 410 except lettered Union Pacific	26.50
Set 420. Dual powered Diesel Switcher Loco, Flat Car, Box Car, Gondola, and Caboose. Loco and Caboose lettered Pennsylvania	24.95
Set 425. Same as set 420 but Loco and Caboose lettered Union Pacific	24.95
Set 450. Diesel "A" Unit dual powered, Diesel "A" Unit dummy, 1 Baggage-Coach, 3 coaches, all lettered Pennsylvania	41.50
Set 455. Same as set 450 but all lettered Union Pacific	41.50
Set 460. Diesel "A" Unit dual powered, Diesel "A" Unit dummy, Fat Car, 2 Box Cars, Tank Car, Gondola Caboose, lettered Pennsylvania	39.95
Set 465. Same as set 460 except lettered Union Pacific	39.95
No. 720. Hobbyline Power Pack. Plug into 110 volt AC house current, attach to track and operate your train with complete controls.	9.95
SPECIAL OFFER. Above $9.95 power pack with any set listed only	5.00
No. 250. Uncoupling Ramp to uncouple cars in above sets	.50

HO KITS:

Athearn RDC's Powered	$14.95
Athearn RDC's Dummy	6.95
PCC Street Car Powered (16.95)	12.95
Indiana R.R. Trolley Powered	22.50
Brill Old-Time Trolley Powered	17.95
Walthers Gas Electric Powered	18.25
Walthers Interurban—Powered	18.25
Athearn 200-Ton Wreck Crane	8.50
Ambroid GN Express Reefer	3.50
Ambroid Open End Pass. Cars Coach, Combine or Baggage	3.95
Sampson Short Streamlined Cars	3.25
Sampson 85′ Streamlined Cars	3.75
Authenticast Operating Gantry Crane with Motor (17.50)	9.95

Complete Stock Ayres, Ideal, Argy, Suydam, Weston, Dynamodel, Alexander, Modelton

HO MISCELLANEOUS:

20° Crossing, Insulated (4.95)	$ 2.50
Steel Rail Switches (1.95)	1.25
Steel Rail Switch Kits (1.25)	.89
Steel Rail Track, 3 ft.	.75
Specials in Trucks—All Metal	
6 wh. Commonwealth Tender, pr.	1.35
6 wh. Std. Pullman, pr.	1.15
Sprung Stream. Pass., pr. (1.65)	1.15
Stream. Passenger, pr. (1.10)	.79
Sprung Bett. Freight, pr. (1.10)	.79
Bettendorf, Andrews, Dalmon or Archbar Freight, pr. (1.10)	.79
Bett. Sprung Truck Kits (.75) 2 pr. for	.98
NEW Mantua Talgo Trucks with Mantua Couplers attached, pr.	1.25
American Flyer Whistling Pass. Station, All Metal, Special	6.95

Mantua, Kadee, Roundhouse, Varney Automatic Couplers and Ramps Always In Stock

Complete Stock Champion Decals, Catalog	.20
Freight Car Lettering Plan Book	.75
Kurtz Kraft Switch Machine (1.50)	.89
Kurtz Kraft Switch Controller (1.00) Both For Only	1.39
Lindsay Switch Machine	2.95
Polaris Switch Machine	2.25
Klick Switch Machine	1.35
Mallory Lever Switch Controller	1.15
SPDT Momentary, Center Off Switch Machine Controller (1.98) 4 for	1.98
6-12 Volt Relays, Heavy Duty SPDT Only 1.39 DPDT Only	1.79
DPDT Center-Off Reversing Switcher Best Quality (1.90) 4 for	5.98
Scintilla Dynapack	23.50

Complete Supply of Marnold and Scintilla Power Supply Items in Stock At All Times

HO LOCOMOTIVE KITS:

New GP-7 Dual Powered	$22.50
Bowser Articulated	49.50
Mantua Atlantic Super Kit	32.95
0-4-0 Camelback Switcher	16.50
English Pacific or Mikado	16.95
Penn Line Mikado or Pacific	29.95
Penn Line Atlantic	26.50
Penn Line Consolidation	28.50
Penn Line Decapod	34.50
Penn Line T-1 Dual Power	39.50
NYC Niagara, DC 71 Motor and 14-Wheel Tender	45.00
NYC Hudson, 12-Wheel Tender, painted, Ready-to-Run	45.00
Lindsay Alco Freight A or B Dual Powered	26.50
Single Powered	19.75
Dummy Trucks	7.75
Lindsay Alco Passenger Dual Powered A	34.50
Dummy A, no power	12.75
English Alco Freight A or B Dual Powered	16.95
Dummy Trucks	4.95
Mantua Sharknose A or B	14.95
Tyco Sharknose Ready-to-Run	16.95
Penn Line Midget Diesel	9.95
Penn Line Midget Ready-to-Run	12.95
Kemtron Industrial Switcher	12.95
Hobbytown Alco Road Switcher	24.95
Dual Power Kit for Above	6.00

Complete Stock of All Locomotive Kits

HO CUSTOM BUILT:

All Items Are Beautifully Done & Run Well

Bowser 4-8-2, Long Tender	$59.50
Superb Free Lance Mountain	115.00
Lindsy Diesel Switcher, Fine	37.50
Lima Berkshire, Excellent	59.50
English Pacific, Good	29.50
0-6-0 Switcher, Excellent	34.50
Burlington E-7 "A" Unit	35.50
U.P. Alco Road Switcher, Superb	54.95
GM & O Alco Pass. "A", Superb	59.95

FOR USE WITH LIONEL:

Buco (Swiss) Electric Type Loco, Baggage Car & Coach, Superb	$65.00
Thomas 4-4-0 Shawnee Express or Branch Line Special Loco	29.95
Shawnee Express Set, Shawnee Loco and Tender, Baggage Car, Coach Set	39.50
Shawnee Fast Freight, Branch Line Loco, Pulpwood Car, Flat Car, Caboose Set	43.50
Thomas Old Time Passenger Obs. Coach, Baggage or Combnation	5.50
Thomas 4-Wh. Caboose	4.95
Thomas Pulpwood Car	4.75
Thomas Flat Car	4.50
Thomas Gondola	5.50
Suydam Corrugated Metal Furniture Factory Kit	5.95
Over and Under Trestle Set, 20 pieces—Set	4.95
UL Approved 3-Conductor Hook-up Wire, per ft.	.10
4-Conductor, per ft.	.12

PLASTICVILLE HO BUILDINGS— JUST SNAP TOGETHER

HO-8 Telephone Poles, doz.	$ .45
HO-10 Set of 6 Evergreen Trees	.10
HO-25 12 pc. Fence & Gate Set	.25
HO-58 Cape Code House	.49
HO-59 Ranch House	.49
HO-74 Super Market, modern	.79
HO-75 5 and 10c Store, modern	.79
HO-76 Drug & Hardware Store, modern	.79
HO-77 Post Office	.79
HO-78 Police Station	.79
HO-79 Fire House	.79
HO-99 Church with Steeple	.98
HO-100 Passenger & Freight Station	.98
HO-350 Set of HO-100, HO-78, HO-79, HO-59, HO-25, Trees & Telephone Poles	3.59
HO-498 Set of HO-99, HO-58, HO-59, HO-74, HO-75, HO-76, HO-77 and HO-25	4.98

AMERICAN FLYER

All 1954 American Flyer Sets and Accessories

REDUCED

Send Stamp For List

O GAUGE LOCOMOTIVE KITS:

Pennsylvania M-1A Mt. w/Long Tender & Cupola, Specify Inside 3rd, 2-R & AC or DC	$159.50
0-8-0 Switcher	39.00
2-8-0 Consolidated	41.00
Thomas Branch Line Express	29.95
Thomas Shawnee Express	29.95
G.P.7-No Power	49.95
w/Power—add	25.50
U.P. Articulated	225.00
S.P. Cab Forward	275.00
All Nation F3 "A" Units	29.50
F3 "A" Castings Only	21.95
F3 "B" Units	26.50
F3 "B" Castings Only	17.95
Lobaugh New Haven	69.50
Lobaugh Greenbrier	146.00
Lobaugh Union Pacific Articulated	196.50

We carry all the "Gray" Jap Locos and Car Kits

O GAUGE CAR KITS:

Athearn 40′ Asst. Box, ea.	$ 4.50
Athearn Asst. Reefers, ea.	5.75
J.C. Coach or Diners	5.95
Kasimer Streamliner	8.50 to 12.50
Thomas Gondolas	5.95
Thomas Xpress Reefers	8.95
Lobaugh A.R.T. Reefers	8.95

O GAUGE CUSTOM BUILT:

2-Rail, unless otherwise stated: "Super-Detailed"

Lionel Semi-Hudson and Tender	$85.00
with 20-Wheel Tender	130.00
Lobaugh Berkshire	235.00
Lobaugh Pacific	195.00
Walthers Penn. GG-1	149.50
Free-Lance Berkshire	145.00
Thomas 2-8-0	54.00
Thomas 0-8-0	49.50
Varney DeLuxe 10-Wheeler	89.50
All-Nation 10-Wheeler	69.50
All-Nation Mountain	149.50
Icken 4-8-2 Mountain C&O	450.00
Free-Lance Pacific	95.00
Unpainted E-6-A Diesel	125.00
Milwaukee Switcher	19.95
Pennsylvania F.M. Road Diesel	89.50
Erie F3 A&B	135.00
G.M.C. Dual Drive Switcher	49.50
Cab Forward 2-8-8-4 S.P.	275.00
Union Pacific 4-6-6-4 Articulated	225.00
Pennsy Decapod 2-10-0	179.50
Icken 2-8-8-2 C&O	795.00
5 Super Detailed Freights	49.50
Pennsylvania M-1A	269.50
5 World Fair Pennsy Streamliners	100.00
Icken 3-Rail Dual Electric	175.00
Twin Alco "A" Pass. Diesels, Unpainted, Lobaugh Motors, both	295.00
Icken 2-10-2	675.00
Lionel 0-4-0	25.00
Lionel "Lackawanna" 3-Rail	33.95

O GAUGE MISCELLANEOUS:

Complete Stock "Tru-Scale" Roadbed

Colber R.R. Figures Asst., 9 to	$ 1.98
Asso.ted Freight Decals, 5 for	1.88
Passenger or Locomotive, 5 for	1.98
Complete Plasticville Village	9.98
Model Structures Coaling Station	98.50
Complete Trackage, Relays, Power for Room 20 x 30— Cost $8500.00	795.00
Chicago & Alton ¾ ga. Live Steamer	1,000.00
Colorful Railroad Brakeman w/Lantern	.59
¼″ Scale Models Ralstoy Trucks and Trailers ... Sets 1.19—3.98	
Suydam Corrugated Metal Furniture Factory Kit	5.95
Complete Peare 2-3 Rail Brass Trackage and Switches.. Sets 1.19—3.98	

EXTRAS FOR FLYER:

Perma Bilt Kits—Box	$ 4.50
Ambroid Quality Wood Kits: A.A.R. Stock Car (mkt. Southern)	5.95
A.C.L. Watermelon Car	5.95
Winged Snow Plow	6.95
North Jersey Work Cars: Tool, Store or Recreation	3.75
Tru-Scale & Peare Trackage: Tru-Scale Delux Mounted Switches, No. 4, 6, 8	5.25
Peare Mounted Switches, pr.	7.25

Our Huge Inventory is a legend to Model Railroaders everywhere!

BLUM'S HOBBY HOUSE Inc.
800 Huron Road
Cleveland 15, Ohio

ORDER TODAY DEPT. G25

I have (check): ☐ Lionel O ☐ Lionel 027 ☐ A.F. Link Couplers ☐ A.F. Knuckle Couplers ☐ HO ☐ Scale O ☐ ....

Please send me:

..... $.....
..... $.....
..... $.....
..... $.....

☐ Money Order ☐ Check Total.....

Post. and Ins.—40c up to $10.00; 65c over $10.00. Canadian Postage Extra.

Name .....

Address .....

City ..... State.....

☐ Enclose 25c for Electric Train Catalog. Please specify Lionel or A.F.

BUY ** SELL ** TRADE

LEONARD M. BLUM'S **HOBBY HOUSE** INC.

800 HURON ROAD **CLEVELAND 15, OHIO**

Vol. 23, No. 10 March, 1955

RAILROAD MODEL CRAFTSMAN

Including "The Modelmaker" (Est. 1924)
and "Miniature Railroading" Magazines

The How-to-do-it Book for RR

• THE CREW •

CHARLES A. PENN, *Editor and Publisher*

JAMES H. THOMPSON
Executive Editor

J. R. DEL CORO
Art Director

HAROLD H. CARSTENS
Managing Editor

EDWIN P. ALEXANDER
Research Editor

Advertising Representatives

WEST COAST
JOSEPH MERVISH
6716 Gentry Avenue
North Hollywood, Calif.
Phone: STanley 7-7556

MIDWEST
SOL SHULMAN
2656 W. Summerdale Ave.
Chicago 25, Ill.
Phone: UPtown 8-4139

Contents

Old Time Grain Mill, 1900 vintage—by Lloyd Giebner 12
Hobbytown Diesel Converted to Lindsay Power—by John Kemp 17
Elizabeth Valley Railroad, a picture story by E. L. Moore 18
How To Build A Model Railroad, Part IV—Track Laying 20
Southern Pacific 50 ft. Automobile Car—by G. A. Stehle 26
Portable Layouts for occasional moving—by the Layout Doctor 31
Smith Bay & Western Railroad—Picture Story of An HO Road 34
Grubstake & Welcher RR—How Martin Anderson Built A TT Pike 36
RAILROAD MODEL CRAFTSMAN STREAMLINED PASSENGER CAR & TRACTION DIRECTORY 40
A Country Stage Stop For All Gauges—by Tim Plate 53

Plan Section

Espee Automobile Car, Wood sheathed 50 ft. (HO) 28
Country Stage Stop (Full size HO, O dimensions) 54
Santa Fe Mikado—by J. L. Knight (Full size HO gauge) 56
Rodgers Ballast Car, 1890 wooden design (Full size O gauge) 67
Modern Suburban Home—Full Color Ready To Assemble (HO gauge) 68

Departments

Along The Line—Slim Stehle 3
The Safety Valve 4
Dispatchers Report 7
Coming Events and New Clubs 8
What's New In Model Railroading 8
Off The Test Track 10
Tim Plate Sez 53
Narrow Gauge Junction 58
Swapper's Column 60
Advertising Index 66

THE COVER: Like many another steam only pike, the Smith Bay & Western Railroad of Robert E. Smith, has finally succumbed to the wiles of the diesel salesman. That's the road's crack Empire Builder pulling out of the station behind two spanking new F-7 units by Globe. Carstens photo.

ABOUT OUR ADVERTISING: We believe that every advertisement in this issue is backed by a responsible individual. Every precaution is taken to admit reliable firms only. To make doubly sure, we will make good any loss sustained by readers by trusting any irresponsible or misleading advertisements. Also, when called upon, we will adjust differences that may occur between readers and responsible advertisers. Readers will be fully protected except when due to honest bankrupts sanctioned by the courts. Notice of complaints should be sent to us within one month of transaction and to identify it, you should mention Railroad Model Craftsman when writing the advertiser.

Published monthly by Model Craftsman Publishing Corp., 1140 East West Highway, Silver Spring, Maryland. Editorial, Advertising and Circulation offices: Route 17, Ramsey, New Jersey. Charles A. Penn, President and Treasurer, Helen M. Penn, Secretary. Entered as second-class matter, August 14, 1953, at the Post Office at Silver Spring, Md., under the act of March 3, 1879.
Price 50c per copy; subscription $5.00 per year in the United States and Possessions. Canada, Foreign and Pan American Subscriptions $5.50 per year. The contents of this magazine must not be reprinted without permission.

Payment is made upon publication. Unless stated otherwise by contributor, we will assume no remuneration is expected. Copyright 1955 by Model Craftsman Publishing Corp. Printed in U. S. A.

Along The Line—Slim Stehle

MANY readers have constructed cars from the construction articles written by Germain A. Stehle and here's the gentleman responsible. Mr. Stehle, who prefers to be known as "Slim", has been in the hobby since he was eight years old and even made it his livelihood as a car builder for the Pennsylvania Railroad. When World War II came along, Slim sold all of his equipment but once in service, found he couldn't keep away from the hobby after all.

After thirty months in service, Slim suffered a spinal injury while serving in the Pacific Theater. Undaunted, Slim returned to model railroading and received a real boost from Mrs. Stehle, who often lends a helping hand and encouragement.

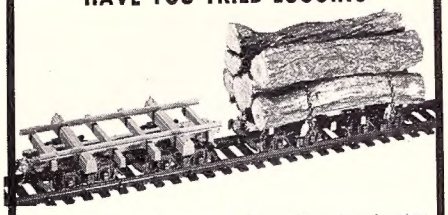
Slim works from real railroad blueprints and prototype photos in preparing his models and articles and takes pains to insure their accuracy. He often spends 300 to 400 hours preparing a series of 50 or more cars and a number of his models adorn desks of railroad executives. Slim is a member of the Altoona (Pa.) Association of Model Railroads and has copped prizes at the Mid Eastern NMRA meets. About 75 per cent of his time is spent building railroad models.

Next Month:

POWER Supply and Control is covered in Part 5 of How To Build A Model Railroad and we feel that it'll answer a lot of the questions being asked by newcomers to the hobby. There'll also be a complete Directory of Power Packs and other electrical gadgets that you need on your pike.

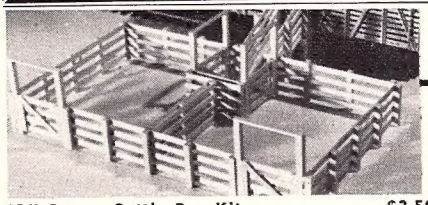
A newcomer to these pages, Cliff Ness Jr., a terrific draftsman and a real modeler, will present plans of an Erie & Wyoming Valley tenwheeler; a honey of an engine with lines that surpass la Monroe. Also on board, another lineside industry by Lloyd Giebner, some medium sized layout drawings by the Layout Doctor that permit real railroading without too much space or expense, plus a number of other features that are a must for every modeler.

HAVE YOU TRIED LOGGING



★ Make your railroad more interesting thru logging activity with the most authentic models you could desire. Complete with load . . . . $2.50 (HO)
★ Those MEW Super Detailed, Outside Brake Beam, Trucks $1.25 pair.
★ Don't forget: MEW Switch Stands, Hi-Speed Track Layer, and maintenance Gage for smoothest track. See them all at your local dealer.
Stamped addressed envelope brings latest literature.
★ Standard Gauge: Lionel, American Flyer replacement drive wheels available, thru repair men or write direct.

MODEL ENGINEERING WORKS
Box 506 "Unique Miniatures" Arcadia, Calif.



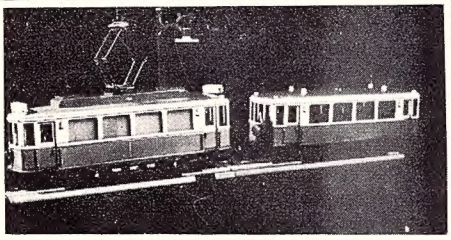
"O" Gauge Cattle Pen Kit $3.50
"O" Timber Trestle Kit (scale 96') 3.50
Stripwood, all sizes—Artificial Grass
Send 3c stamp for listing

RICHARD A. LEE
719 Moore St. Bristol, Va.

HO GAUGERS

Get all your Scenic and Platform Accessories in One Place. Catalog 15c. Buildings, Bridges, Figures, Automobiles, Trucks, Tunnels, Trees, etc.
• All Lines • Biggest stock!!!

NORGARD'S
223 W. Madison St. Ottawa, Illinois



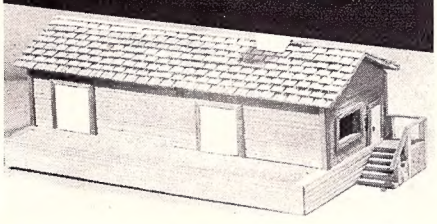
HAMO TROLLEYS

Ready to run, spray painted die cast, 2-rail motorcar with automatic coupler $12.50
Trailer car with interior light $2.50

Order direct from Model Tramways

MODEL TRAMWAY SYSTEM
P. O. Box 721, Old Greenwich, Conn.

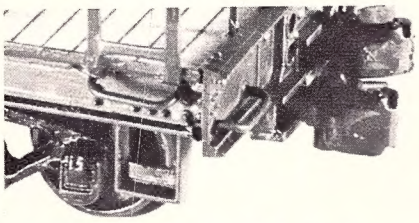
NEW RELEASE



All Wood Prefab HO 68' Freight Station. Three Delivery Locations. Special Introductory Offer. By Parcel Post $3.25
Send for Free Catalog

MINIATURE HOMES MFG. CO.
SULTAN WASHINGTON

SAFETY VALVE



Idler Cars They Call 'Em

Do not know if any of your readers go in for both narrow and standard gauge on the same pike, which is three rail construction. If any are interested there is a car which I have never seen advertised.

On the D&RGW line from Alamosa, Col., to Durango, there are three rails as far as Antonito. The main line is narrow. The local freight from Alamosa to Antonito used to be and perhaps still is, part narrow and part standard.

Sometimes the engine and front part of train would be standard gauge with the rear and caboose narrow gauge, and sometimes it would be the other way around. They had a flat car with two couplers on each end, one at the proper height over the center of the standard track and the other at a lower height and over the center of the narrow gauge track. The common rail had to be kept on the same side. The car also had special bracing to compensate for the off center pull at one end. Most of the switch engines at Salida and Alamosa also had two couplers. It looked very odd to see a narrow gauge switch engine holding on to a high furniture car or a standard passenger coach.

If you feel that any RMC readers would be interested in this type of construction, you are welcome to publish this.

—George Merrill
Ashland, Oregon

Ed's Note: Thanks for the interesting description of the idler car, George. Perhaps other readers are also unaware that such a car exists and that a kit for this unusual car is available from Binkley Model for HO-HOn3.

C of G Boxcar in Kansas

In the Jan. Dispatchers Report mention is made of the Central of Georgia's new 40 ft. blue box car with silver oval on it. On Dec. 16th, one passed through Atchison on a Mopac freight. I don't know if I am the first model rail to see one or not but at least they've been seen as far west as Kansas.

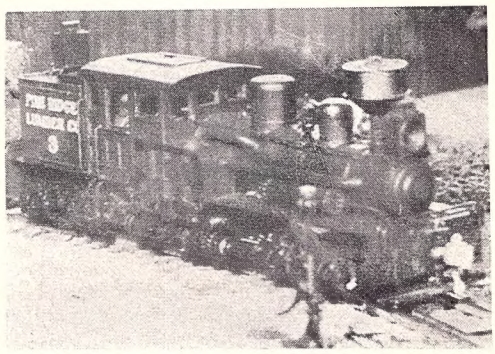
—Alvah Downing
Atchison, Kansas

Ed's. Note: The Dispatcher tells us he saw one in the Susquehanna yards at Little Ferry, N. J. in November. We'd still like to see a model of one—especially in HO.

Wants To Build A Shay

On page 14 of your November issue is a picture of a shay engine made by Richard Wheeler. A beautiful job if ever I saw one. How about getting the builder to write a construction article on this engine? I'm sure that the HO model fraternity of your magazine would greet it with wonderful acclaim.

—C. H. Phillips
Elizabeth, N. J.



Geared Locomotive

I greatly enjoyed the article by the Layout Doctor in Lumberland Rail roading in the November 1954 issue of RMC and it should open some new fields of model railroading. However I would like to point out one or two minor errors in regard to the geared locomotives used.

First: in regard to the Heisler. ". . . is geared to the four axles by means of universal joints and sliding couplings." This is an eror as the crankshaft is geared only to the front axle of the truck through a transmission similar to that found on the rear of an automobile. Power is transferred to the other axle via side rods.

Second: "The Climax geared engine built by Baldwin." The Climax was never built by Baldwin. It was built by the Climax Locomotive Works which was never a part of Baldwin. Baldwin did build a very similar geared locomotive but there are differences which are at first glance are hard to tell apart. One of the items that I look for is in the flywheel which on the Climax is a real flywheel. On the Baldwins I have seen it is only a counterbalance. Also, on the Climax, the cylinders are not parallel to the rails but are slanted about 30°.

The drive of the Climax is not like that of the Heisler. The chief external difference is that the Heisler has an inside frame with side rods while the Climax has a regular outside truck side frame and no side rods. The transmission of power between the two axles of a Climax is entirely by gears. I've seen only one photo of a

Baldwin geared locomotive and cannot recall if it had siderods or not. However there were fewer Baldwins built than Climaxes, and Climaxes are few and far between.

You should have mentioned that all three geared locomotives had three truck models for more power. The most unusual Climax that I have ever seen was on the Middle Fork R.R. in West Virginia, being a three truck superheated job with outside Walschaert valve gear. Most Climax engines used a Stephenson valve gear operating off cams on the crankshaft.

I hope that this clears up any points that might arise. Not much is known about geared locomotives and so it is easy to make a mistake, but I really enjoyed the article.

—David J. Williams III
Secy, Louisville Chapter, NHRS
Richmond, Kentucky

Ed's Note: Thanks, Dave, for the technical information. Off the beaten track information on any phase of the World's Greatest Hobby is always welcome.

CNJ Camelbacks

With reference to Ben McLane's request in the Dec. RMC regarding the earliest use of camelbacks, what little information I have indicates that the Central Railroad of New Jersey first used them in 1892, when during the months of Feb., Mar., and April, Rogers Locomotive Works delivered Nos. 400-408, class L-2.

This same source also indicates that the last camelbacks were delivered to the CRRNJ in Nov. 1929. These were the Nos. 483-484, later renumbered 160 and 161.

—Richard Fullerton
Dayton 3, Ohio

DRILLS & TAPS

Small Drills

If you buy drills to use on locomotive kit or scratch construction, it will pay you in the long run to buy high-speed drills, even though they cost more than carbon steel ones. Not only do they stay sharp longer, but break much less easily, an important factor with the very small drills. If your particular hobby dealer does not have high speed drills, try a mill supply store, although they usually sell only by the dozen.

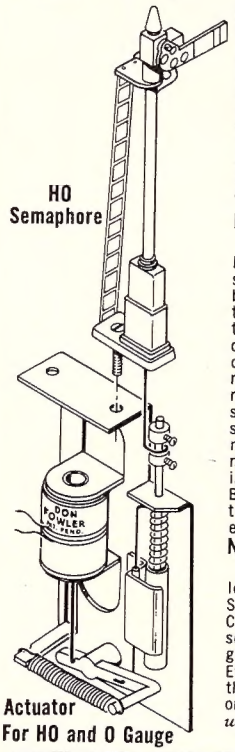
Using Drills

When drilling with fine drills ,a good way to *break* them is to have only a short amount sticking out of the chuck of the drill. It is much better to have as much as possible of the drill sticking out, because then any slight misalignment will flex the whole length of the drill rather than break off the short bit. The small drills should be run quite fast, but should be removed from the hole often to permit clearance of chips. Never use a small drill in a hand-drill, only in a motorized chuck, or, by hand, in a pinvise. Oil or turpentine makes a good drill lubricant, although a very fine one may be stuck in the mouth and lubricated well enough with saliva. Once your drill stops throwing out shavings it is not cutting efficiently. When it stops throwing out even chips, it is not cutting at all and there is no point in continuing without resharpening the point.

Using Taps

High speed taps which are made in all sizes used by modellers except 00-90 cost more than twice as much as ordinary carbon tseel taps, but their life is many times as long. They have squared ends so that you can use them in a tap wrench. A carbon steel tap in a small model railroad size should never be used in a wrench or anything else that will not permit it to slip should it become jammed in the hole. Taps, which cut threads IN a hole, are used many times more frequently by the modeller than dies, which cut threads on a rod. Many modellers never use a die.

AT LAST... S-L-O-W
realistically controlled movement.



Realistic motion, deliberate action, with full control is now possible for your Semaphore and Crossing Gates. This New Pat. Pend. Mechanism comes completely assembled including solenoids and mechanical retarding device which does not require current to hold indefinitely Semaphore blade in either position. Easily installed at any angle for any gage up to O.

New Fowler Trackside and Block Switches

Now a system of trackside switches, mechanically operated by a shoe installed on Engine truck, controls current for operation of Actuator. This method does away with complex electrical circuits and provides a separate power circuit which does not depend on variable power supplied engine. Trackside switches are easy to install—merely insert in hole where needed on track. Block Switches, installed on actuator, provide Block Control, can also be used to indicate position of train, operate crossing gate flashers, etc.

New HO Super Detail Crossing Gates and Semaphores

Ideal team mates for Fowler Slow Actuator. Set of Two Crossing Gates require some assembly. Semaphore comes with green, amber and red lights. Every Item has been designed so that it can be installed anywhere on your pike *without having to work under the table.*

HO Crossing Gates

SEND 10¢ FOR LITERATURE

PRICES

Semaphore with Actuator	$4.85	Block Switches, ea.	$ .95
Crossing Gates (2) with Actuator	$4.85	Actuator	$4.25
		Trackside Switches with truck shoe, Pair	$1.95

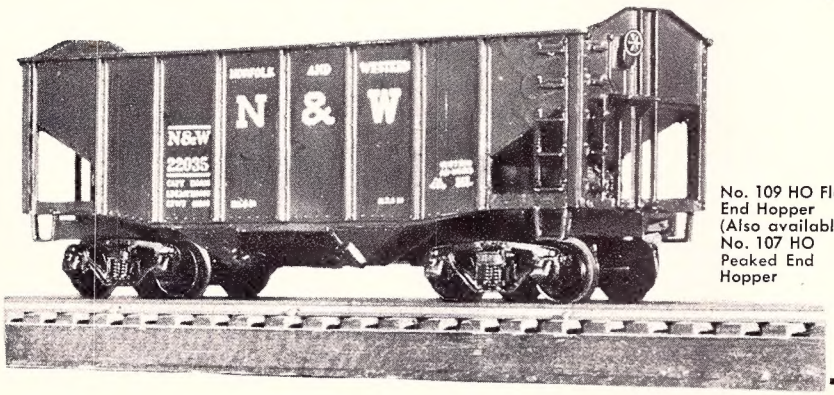
DON J. FOWLER 128 N. Almont Dr. Los Angeles 48, Calif.

NEW O GAUGE STOCK PEN

Start your new year off with this O ga. structure. Easy to build, precision cut parts, full plans. Send 3c today for your illustrated circular.
BOXCAR KEN, O Ga. Stock Pen & Chute $2.35
O Gauge Scale or Tinplate Catalogs, each ___25c
(25c refunded with first purchase)

BOXCAR KEN
Box 5271-F, Metropolitan Station
Los Angeles 55, California

A Perfect Model Every Time!



No. 109 HO Flat End Hopper (Also available, No. 107 HO Peaked End Hopper

Ulrich's *exclusive* interlocking assembly has been incorporated into these two popular kits. These cars are so skillfully engineered that one cast-on rivet holds the entire assembly! Every detail is exact, even to operating hopper doors and rivet detail—inside and out. Pre-painted and lettered sides assure you of a beautiful model. Complete with Ulrich sprung Vulcan trucks, only $2.90.

Road names:
No. 109—D & H; Reading; Lehigh Valley; Western Maryland.
No. 107—Norfolk and Western.

ULRICH *Model kits*
4233 Babcock, North Hollywood, Calif.
Sold only through dealers

WORLD'S LARGEST HOBBY MAIL ORDER HOUSE . . . SINCE 1931

. . . the HOBBYIST'S SUPERMARKET of SUPER SAVINGS!

NEW ITEMS . . . if available anywhere WE'VE GOT EM!

NOWHERE IN THE WORLD will you find as large a selection of KITS • ACCESSORIES • TOOLS • SUPPLIES • DATA, ETC. - SCALE or TINPLATE — EVERYTHING IN RAILS

CHECK THIS LIST!

MORE for your money

LOOK! Only AHC Gives You All These Terrific EXTRAS

1. 14 Day MONEY BACK GUARANTEE on unused purchases.
2. No Postage or packing charges for orders of over $2.00 (include 25c if order is under $2.00). We insure safe delivery ANYWHERE IN THE WORLD. Outside of U.S.A. (except APO & FPO) add 10% for postage (minimum 50c).
3. Membership in the "GOLDEN SPIKERS OF AMERICA," the club that keeps you up to date on railroading and SAVES YOU MONEY ON YOUR PURCHASES.
4. No "minimum" orders. Any order is welcome.
5. All orders processed in 24 hours. Mail addresses coast-to-coast airmail your orders to our N. Y. office for immediate shipment to you.
6. Most complete stock available in America. If it's advertised we can usually supply it.
7. Competent understanding of your problems.
8. 64 page giant 2-color illustrated catalog FREE with every order.

SATISFACTION GUARANTEED OR YOUR MONEY BACK

HO GAUGE

LOCOS & POWER UNITS

ATHEARN
R.D.C. (1, 2, 3 or 4) 14.95
R.D.C. (Dummy—1, 2, 3 or 4) 6.95
Globe F7 Dual Powered 14.95
Globe F7 A Dummy .98
Globe F7 B Dummy .89

BOWSER
Articulated 4-6-6-4 52.50
Pacific 4-6-2 with tender 32.50
Artic. Tender (Semi-Vanderbilt) 8.50
Mountain 4-8-2 42.50

ENGLISH
HOBBYLINE—Assembled 1200 HP. Diesel Switcher 16.00
Alco Rd. Diesel, 8 wl. dr. (A or B) 19.50
Alco Dummy Unit (A or B) 7.50
0-6-0 Loco 14.95
#1325/3 Switcher Set 19.95
0-4-0 Loco 7.50

HOBBYTOWN
B Wheel Drive for Globe F7 14.95
Alco 1600 hp. Rd. Switcher DC-71 24.95
Alco 1600 hp. Dual Drive Unit 6.00
Alco 1600 hp. 123K 27.50
Multi-Drive A Unit for 123K 16.95
Multi-Drive B Unit for 123K 16.95
Alco & EMC 2000 hp. 12 Wh. Dr. 29.95
Dummy B Unit E7 for above 10.95

KEMPTRON
Pwr. & Litng. Kit for Globe F7 15.95
Baldwin Diesel (Dummy) 17.75

Buried In This Ad are most of the new items. Sometimes there isn't time or space to list all of them. But, if available anywhere, we have it.

Baldwin Diesel (Powered) 29.95
14 Wheel Tender 19.95
Shorty Yardsmith 7.50
Thomas Flyer 1907 14.95

LINDSAY
Power Truck Kit for Globe F7 9.95
Powertruck for RDC 12.95
Alco Diesel Dual Drive 34.50
Alco Diesel (B Unit) 11.50

MANTUA
Shark Nose Road Diesel 14.95
Shark Nose B Unit 14.95
Shark Nose Dual Drive 9.95
Booster O-4-O 15.95
Shifter O-4-O 15.95
Valve Gear Kits 2.95
Assembled Valve Gear 4.95
Little Six 0-6-0 12.95
Big Six 17.95
Pacific 4-6-2 24.95
Mikado 2-8-2 24.95
Trolley 8.95
General (with Tender) 24.95
Roundhouse Goat 24.95

MODEL PIKE
DC 60 (12 Volt) Motor 5.00
Dynamite 1½ Volt Motor 1.98
Gear Set (plastic) 2.95
DC12 Super Duty Accessory Motor 2.50

PENN LINE
Pacific K4 with Tender 34.50
Atlantic with Tender 29.50
Consolidation with Tender 32.50
Mikado LI 34.50
TI Articulated 4-4-4-4 39.50
Midget Diesel Switcher 9.95
Midget Diesel Switcher Assem. 12.95
Decapod 34.50

PENNA. SCALE MODELS
PCC Street Car 16.95
IRR Street Car 22.50
IRR Trailer 12.50
Brill Suburban Trolley 17.95

PITTMAN MOTORS
DC 60 5.00 DC 80 6.00
DC 71 6.50 DC 94 7.50
DC 91 7.50

VARNEY
O-4-O Dockside 15.00
Brute Diesel A or B 17.50
Brute Diesel Dummy A or B 3.95
GM 1000hp Diesel Switcher 19.75
Casey Jones with Tender 22.00
Twin Drive for F3 Diesel 3.50
Twin Drive for Diesel Switcher 4.00

MISCELLANEOUS
ROBICO Stubby 16.95
JERRY MARTIN Diesel Centricluch 3.95
MODEL DIE CAST 0-6-0 13.50
MODEL DIE CAST 4-4-2 Atlantic 19.95
MODEL DIE CAST Yard Hog 0-6-0 10.50
WALTHERS Shuttle Jack 19.95

POWER PACKS—CONTROLS

LEYGHTON-PAIGE
Pulse Pack 14.85
Paige Pack 29.50

MODEL RECTIFIER CORP.
Throttle "Pulse" Pack 10.95
Loco Pack 14.25
Dual Pack 28.75
Tri Pack 42.95
Model Meter Pack 24.50
Model Pack 21.75
Cab Control Unit 8.50
Model Adapter .75
2 Amp. Selenium Rectifier 4.50
4 Amp. Selenium Rectifier 6.45
6 Amp. Selenium Rectifier 7.95
10 Amp. Selenium Rectifier 12.90

SCINTILLA
Throttle Control Handle .75
Unipack 10.95
Electro Pack C (3 locos) 16.50
Electro Pack Sr. (3 locos) 21.45
Dynapack (5 locos) 29.95
Multipack Sr. 34.75
2 Amp. Power Kit 13.95
4 Amp. Power Kit 18.50
10 Amp. Power Kit 22.95

MISCELLANEOUS
HO Rheostat (Ohmite MT-40) 5.65
Lever Action Wheel (Bob Pearl) 5.45
Circuit Breakers 3 or 5 amps. .50
Jiffy Switch Controller 2.25
Acme Switch Controller .98
0-6 or 0-20 DC Amp Panel Meter 3.00
0-15 DC Voltmeter Sq. Panel Type 3.00
TOGGLE SWITCHES:
SP-ST .70 DP-ST .80
DP-DT .95 SP-DT .95
DP-DT center off position, Reverse 1.40
SP-DT mom. (1 hole mounting) 1.25

HO ROLLING STOCK

ATHEARN
40' BOX CARS ea. 2.50
El Capitan; Grand Canyon; Scout Chief; Super Chief; ACL; C&O; C&EI; C&NW; CN; CP; Erie; FEC; GM&O; GN; IC; DL&W; NP; Monon; NYNH&H;PM; RI; SAL; SP; UP.
40' SPECIAL BOX CARS ea. 2.95
B&O Sentinel; B&O Time Saver; C&O Luminous; NYC Pacemaker; SP Overnight; Timken RF Red, Yellow or Silver; Western Pacific; MP Eagle; NC&ST, In; State of Maine.
50' AUTO ea. 2.75
Super Chief; El Capitan; Scout; Grand Canyon; Monon; KCS; SSW; MKT; Chief
A.T.S.F. Exp. 9.95
50' FLAT CARS ea. 1.85
C & NW; Cinchfld; Grand Trunk
50' FLAT CARS ea. 1.95
Southern; U.P.; Erie
REEFERS ea. 2.75
MDT; Ill. Central; Burlington; ART; NP
Armour; FDEX; ART/MP; WFE;PFE; Swift; State of Maine.
Rd. Roof Cars; 40' Box ea. 2.50
40' Auto ea. 2.65; 50' Auto ea. 2.75
DT&I; Pennsy; SAL; N&W
TANK CARS ea. 2.50
Single Dome Mobilgas; SP Gasoline Svc; SP Diesel Svc; Union Pacific; Shell; Texaco; Reifer Freight
TANK CARS (3 Dome) ea. 2.75
Union Oil; UTLX; Deep Rock; Shippers
TANK CARS ea. 2.40
Shorty Atlas; Magnolia; Crystal
Wrecking Crane (Erie 200 Ton) 8.50
Pulpwood Car 2.25

A-C MODEL
Supply, Bunk, Kitchen or Foreman Work Cars; Tool; Boom; Gondola ea. 2.85

AMBROID
Great Northern Express Reefer 3.50
Stock Car 3.00
B M Snow Plow 3.00
Watermelon Car 3.00
Unicel Reefer 3.50
Open Platform Coach 3.95
Open Platform Baggage Car 3.95
Open Platform Combination Car 3.95

AMERICAN BEAUTY
Available in: NYC, Penn, CofG; GM, IC, C&N
Observation Car 6.95
Baggage; Mail Baggage; Combination; Coach; Day-Night Coach; Roomette; Diner ea. 5.95

AUTHENTICAST
Magor Dump Car 4.95
Slag Car 3.00
Gantry Crane 17.95
Depressed Center Flat Car 2.50

AYERS
Flat Car 2.25
Gondola 2.35
High Side Gondola 2.45
Hopper Bottom Gondola 2.55

CENTRAL LINES OLD TIMERS
1863 B. O. Baggage 40' 2.90
1908 Observation (65' or 75') 4.80
OLD TIMERS ea. 3.95
Va. & Truckee Combine 45'; 1898 Open End Combine 51'; 1898 Baggage & Smoker 55'; CRR or NJ 50'; 1898 Open End Coach 50'; 1908 Arschweiler Observ. 65' or 75'; 1898 Business Car 55'; Wagner Sleeping Car; 1863 BO Coach 45'; 1863 BO Combine 50'; 1898 Bag & Mail 50' 1886 Combine

HOBBYLINE
All Metel Combine (English) 2.95
All Metal Coach (English) 2.95

REPAIR SERVICE: AHC maintains a large repair department with trained technicians. Reasonable Rates! Write for an estimate.

PARTS: We carry extra and repair parts in stock. Send today for the parts you need to keep your equipment in "tip-top" shape.

GONDOLAS ea. 1.95
Wabash; Erie; P.R.R.; P.&L.E.; ACL; NKP or South Shore.
FLAT CARS ea. 1.95
Reading; PRR; UP; GN; Soo; L&N;
BOX CARS ea. 2.50
ACL; Can. Nat.; WM; DL&W; SP; NKP; PRR Caboose [Penn. or unlettered] 2.95

J-C MODELS
Observation Car 3.50
$2.95 ea: Silver Sides; NYC Postal; NYC Baggage; Penn Baggage; N&W Baggage & Coach; NYC Baggage & Coach; Penn & Coach Lounge; N&W Coach; NYC & Lounge; N&W Coach; NYC Coach; Penn Coach; Penn Modernized Coach; 12 Sec. Pullman; NYC Diner ea. 2.95

LACONIA
Sierra Combine 3.25
Mathiesen Dry Ice Reefer 1.75
Central Vermont Milk 1.75
Rutland Milk 1.75
Chateau Martin Wine 1.75
Ralston Purina 2.25
Penna. 70 Ton Hopper 1.50
Penna. Mill Type Gondola 1.50
PASSENGER CARS ea. 2.75
Pullman Std. 80'; 12 Sec. Sleeper; C&O Coach 80'; NYC Comb. Baggage & Smoker 80'; 12 sec. Std. Pullman 80'; Std. 80' Coach; Std. 80' Comb. Baggage-Smoker
REEFERS ea. 2.50
Goetz Beer; Maine Potatoes; Tivoli Beer; Bullfrog Beer; Columbia Soup; Merchants Biscuit; Kraft Cheese; Peerless Beer; Libby's Pickles; Page Milk

MANTUA
GONDOLAS ea. 2.25
Penna.; SP; B&O; R.I.
STOCK CARS ea. 2.25
A.C.L.; M.K.T.; M.P.
BOX CARS ea. 2.25
W.M.; G.M.&O.; G.A.; M.C.; M.K.T.; G.N.
Flat Car 1.75
8 Wheel Caboose 3.50
4 Wheel Bobber Caboose 1.95

SILVER STREAK
BOX CARS ea. 2.95
Minn & St.L; Savannah & At; Frisco Mo. Pac.; Union Pac; D&R GW
REEFERS ea. 2.95
AT&SF; Green Bay & West; Oscar Mayer; Swift; BAR "Maine Potatoes"; Northern Pacific; MDT (NYC); C.&R.
Gondola N. Y. C. 2.75
Gondola Nickleplate 2.75
TANK CARS ea. 2.75
Shell Chem; Texaco; Conoco; GATX
WORK CARS ea. 2.95
Bunk; Commissary; Supply; Engineering
CABOOSE CARS ea. 3.25
B&O; So. Pac; Un. Pac; 4 Wh. Bobber
Caboose Cars 3.50
Bay Window; MP Drovers; Combination

ULRICH
COMPOSITE GONDOLAS ea. 2.50
Rock Island Jersey Cent; Lehigh Valley; Penna; Nor. & West; At. Top, & Santa Fe
GEN. SVC. GONDOLAS ea. 2.90
Penna; Un. Pac; Col. & So. Burlington; Utah Coal Route; Great Northern; Minneapolis & St., Louis
OUTSIDE BRACED BOX CARS ea. 2.90
So. Pac; Pere Marquette; Boston & Maine; Great Northern; Del. & Hudson; At. Top & Santa Fe; Den. & Rio Grande; La. & Ark.
OUTSIDE BRACED CATTLE CARS ea. 2.75
Chicago; St. Paul; Minn. & Omaha; At. Coast Line; Penna; Chicago & N-western
HOPPER SIDE BOX CARS ea. 2.75
Texas & Pac; Delaware; Lack. & Western
FLAT CARS ea. 2.25
Nashville; Chat. & St. Louis; So. Pac; Texas & Pac; Canadian Pac; St. Louis Southwestern; Soo Line
HOPPER CARS FLAT END ea. 2.90
Del. & Hudson; Leh. Valley; Reading; W. Md.
HOPPER CARS FLAT END ea. 2.90
Santa Fe; B&O; Rock Is; Louisville & Nashville; Mo-Pac; NYC; Erie; Frisco
Track Cleaning Car 1.75
North & West, Peaked End Hopper 2.90

VARNEY
STREAMLINE PASS. CARS ea. 3.50
B&O Coach; UP Coach; Penn Coach; Penn Coach; SP Comb; SP Coach; Ill. Central Comb; Ill. Central Coach; Great Northern Coach, Great No. Combination
STREAMLINE PASS. CARS ea. 3.95
Penn Observ; SP Observ; Ill Central Observ; Great Northern Observation
40' FLAT CARS ea. 1.90
Penna; So. Pac; AT & SF; NY Central
TANK CARS ea. 2.50
Sinclair; UTLX; Texaco; GATX
COVERED HOPPERS ea. 2.35
Monon; NY; NH; Plate; Pa; Del & Hud.
HOPPER CARS ea. 2.25
Virginian; Penna; Burlington; So. Pac; Chicago & E. Ill; Central of Georgia
STD. PASSENGER CARS ea. 4.35
80'—12 Sec. Pullman; 8 Sec. Pullman; 6 Sec. Pullman; Pullman 13 Room; Solarium; Diner; Diner (M Roof)
80' Observation (M Roof) 1/stks 4.85
80' Observ. (M Roof) less ths 4.85
60' Baggage (Arch Roof) 1/ths 3.95
70' Baggage (M Roof) less ths 3.95
60' Postal (Arch Roof) less ths 3.95
COACHES, COMBINES ea. 4.25
70' P-B Combine (A or M Roof); 75' Section Lacking Clip (M Roof); 75' Coach (Arch or Monitor Roof).

MISCELLANEOUS
Tractor & Trailer Rig [Ulrich] 2.50
Dump Rig [Ulrich] 2.75
Shorty Caboose [M.F.W.] 2.95
Dynamometer Car (Devoro) 5.95
Chicken Palace (Main Lines) 2.95
Model Wood Lumber Kits; Kit A 2.95; Kit B 3.95 Kit C 5.95

HO CAR PARTS

COUPLERS
Rail Line NMRA std. couplers pr. .35
Rail Line [above] w/dr. gear pr. .50
Varney Jumby pr. .40
Varney Dummy w/draft gear pr. .15
Mantua Freight pr. .35
Mantua Freight [metal cars] pr. .25
Mantua Passenger pr. .50
Mantua Uncoupling Ramp .50
New Varney Automatic .30
New Varney Automatic [Brass] .30
New Varney Ramp .15
Kadee Coupler Ht. Gauge .20
Kadee .40
Kadee w/Draft Gear .50
Kadee Uncoupling Ramp .25
Hobbyline Couplers [Plastic] pr. .25

TRUCKS
Mantua "Talgo" Trucks pr. 1.25
Varney (Nylon) pr. .50
Silver Streak (Metal) pr. .50
English (Nylon) pr. .50
Mantua Bettendorf pr. .75
Athearn Bettendorf pr. .85
Athearn Arch Bar pr. .85
Athearn Andrews pr. .85
Athearn Symington pr. .85
Athearn Buckeye & Wheel pr. .85
Devora 4 Wheel Passenger pr. 1.95
Cent. Valley Fox Type 30 Ton 1.10
Cent. Valley Fox Type 40 Ton 1.10
CV Arch Bar Short Wheelbase 1.95
CV 6W Riveted Frame Type 1.95
CV 6W Cast Frame Type 1.95
CV 4W Riveted Frame Type 1.65
CV 4W Standard Type 1.65
CV 4W Streamliner Type 1.65

REFRIGERATOR CARS ea. 3.35
Maine Potato; Can. Nat'l; Burlington; NYC [MDT]; Gerbers Baby Foods; No. Pac; St. Louis "Reefer"; Wabash Flag "ART"; Santa Fe "El Capitan"; Pac. Fruit Exp.; Old Dutch Cleanser; Blatz Beer; Fairmont Butter; Carnation Milk; Pabst Beer
GONDOLA CARS ea. 1.90
Penna; So. Pac; Den. & Rio Grande; Mich.
FLAT CARS ea. 2.45
Un. Pac; Penna; B&O; Santa Fe; No. Pac; EJE
BOX CARS ea. 3.50
B&O "Time Saver Svc"; Penn "Merchandise Svc"; Mo. Pac; Frisco Fast Freight; MKT Katy; West. Pac "Feather"; NYC "Pacemaker"; NC & St. Louis "Dixieland"; Santa Fe "Super Chief"; Un. Pac. Buffalo Creek; West India Fruit
CATTLE CARS ea. 2.25
Penna; NY Central; Santa Fe; Un. Pac; Ill. Central; Atlantic Coast Line; Texas & New Orleans
Standard Caboose 3.25
3 Ore Car Train 3.00
Bay Window Caboose 3.50

WALTHERS
PUG PASSENGER CARS ea. 4.95
Postal; Baggage; Combine; Coach; Diner; Pullman—[Specify Red or Green]
Observation (Red or Green) 5.75

NO MINIMUM ORDER

14 Day FREE Examination WITH FULL MONEY BACK GUARANTEE!

Any unused item purchased from us can be returned in 14 days for complete refund or exchange.

ORDER NOW! GET ALL THE AHC "EXTRAS"

NEW! NMRA HO STANDARD COUPLERS

Rail Line's new 1-pc. std. couplers—fits everything.

35¢ pr.

w/draft gear—50¢

HO TRACK PRODUCTS

ATLAS
Cork Roadbed or Switch Blocks ea. .35
Auto. Snap Switch R.H. or L.H. 4.50
Manual Snap Switch RH or LH 2.25
Snap-Track—Straight 9" Sections, or Curved [15", 18" Radius] ea. .25
Curvable Track, 3 Pt. Section .75
Switch Kits Y, 4, 6, 8-LH or RH 1.25
Assembled Switches ½ 1.95
Single Crossover 6 LH or RH 3.95
Double Crossover, Assembled 11.95
3 Switch Ladder 3, 4 LH or RH 5.95
90 Degree Crossing 1.75
45 or 60 Degree Crossing 2.25
18 or 30 Degree Crossing 2.50
Rail Joiners, Brass—144 .50
Plastic Insul. Rail Joiners 12 .15
Bumper—.39 Control Box .60
Tie Strip—25 Pt. 1.50
Switch Tie Strip—10 Pt. 2.00
Double Tie Strip—10 Pt. 2.50
HO Brass Rail—99 Ft. 3.95
Girder Bridge 1.75
90° Snap-Crossing 2.25

FLEISHMANN
Rigid Track, Straight or Curved 15" radius sections ea. .15
10" or 24" radius sections ea. .20
Manual Switches pair 5.95
Remote Control Switches pair 9.95

HOBBYLINE
HObbyline Track (Per Section) .25
Straight [8"] or Curved [16" Radius)

MANTUA
Asmbld. Switches 3, 4, 6, 8 LorRH 1.95
3-Way Switch 9.95
Terminal Connector .50

PENN LINE SPEEDI-TRACK
Straight Section (10⅜" Long) .59
Curved Sec. [16", 18", 20" Rad.] .59
Crossover [60°] 3.95
Turnouts [Right or Left] pair 11.95
Section Locking Clip doz. .25
Power Connector .25

TRU-SCALE
Switch Kits ea. 1.25
MOUNTED TURNOUTS —
TIED ROADBED ea. 2.85
Hi-Speed 4, 6, 8 RH or LH
MOUNTED CROSSOVERS —
TIED ROADBED ea. 5.50
Hi-Speed Wye, 4, 6, 8 RH or LH
ROADBED, WOOD TIES—PLAIN
Scissor Crossover 4 & 6, RH or LH 15.95
Hi Sp. Dbl. Cnout #4, RH or LH 10.95
MOUNTED CROSSINGS
45° 60°, 90° ea. 2.95
14°, 28° ea. 3.25
Straight 3 Ft. .45 .33
Superflex 3 Ft. .72
Variety Assortment, R&L pr. .80
Bridge Stock 18 in. .40
Switch Blocks, Any Size .65 .45
Xover Blcs, Any Size .85 .55
CURVED, COMPLETE CIRCLES
14" Radius 1.90 1.45
16" Radius 2.15 1.65
18" Radius 2.40 1.85
20" Radius 2.65 2.05
22" Radius 2.90 2.20
24" Radius 3.15 2.40
26" Radius 3.40 2.60
28" Radius 3.65 2.80
30" Radius 3.90 2.95
32" Radius 4.15 3.15
34" Radius 4.40 3.35
36" Radius 4.65 3.55
READY-TRACK
Straight 2' lengths $1.00; Curved 16", 18" & 20" radius ea. .75; Full circle $6.00

HO MISCELLANEOUS

SWITCH MACHINES
Challenger [Pioneer] 3.50
Klick [Pioneer] 1.35
Polaris (Exposed or Concealed) 2.25
Turbo Jet 1.50
Walthers TS-5 1.95
Lindsay Switch Motor 2.95
Jiffy Switch 2.25
Casey Jones Jet 1.45
Kurtz Kraft K4 1.50
Indian Head 1.50
M. E. W. Ground Throw .65
Best Friend Switch Controller 1.50
Kurtz Kraft KS 2.50

SWITCH STANDS
2 Green and 2 Red .75
2 Amber and 2 Red .75
M.E.W. Hi-Level .90

MARKER LAMPS
Caboose Lamps 3 Gn, 1 Red pr. .60
Caboose Lamps 3 Am., 1 Red pr. .60
Loco Lamps 2 Green, 2 White pr. .60
Switch Std. Lps, 2 Gr, 2 Rd pr. .60
" Stand Lps, 2 Am., 2 Red pr. .60

TOOLS
Mantua Track Gauge .40
Clock Oil—.25 Spindle Oil .25
M. E. W. Track Gauge .35
M. E. W. Track Lever 1.00
Varney Track Gauge .30
Gaunt Spiker .75
Varney Re-Railer .25
Varney Permanent Rerailer .69
Valvespout No. 3 Precision Oiler 1.00
Scale Ruler (HO) Steel—.45 and .65
Casco Elec. (Plastic Case, 55 Pc) 19.95
Drill Set No. 61-80 w/Index Stand 6.50
Double End Pin Vise 1.00
Dbl. End 4 Chuck Pin Vise 1.50
Swiss Needle Files (Set of 12) 3.60
Screw Driver Set (5), Plastic Cs. 1.80
Zona Saw 1.00
Mantua Re-Railer .35
Lindsay Magnetic Rail Spiker 3.35
Glue Gun .50

MISCELLANEOUS
M. H. P. Diaphragms pr. .65
HO Ballast, Gravel, Grass, Earth, Coal, Scenic Sand ea. .35
Trackslayer Spikes .60
Spikes [Offset Hd.—Steel] pkge. .60
Tk. Layer Spikes [Brass or Stl.] pkg. .60
Bumpers .65
Slide Switch .25
Kurtz Kraft Semaphore 2.25
Kurtz Kraft Crossing Gate 1.95

BLDGS. & STRUCTURES

TURNTABLES
Ideal 10.95
Silver Streak Automatic (Kit) 29.75
Silver Streak Assembled 37.50
Robico Gallows 3.50

ALEXANDER
Tunnel Portals (PRR, B&O, N&W) 1.15
Dbl. Tunnel Portals 1.50
Water Tank - $2.95 Coaling Stn. 6.95
Pillar Crane & Dock 2.95
Freight Station 2.95

ARGY SPECIALTIES
Mail Pouch Tobacco Barn 1.95
Switchyard Observ. Tower 4.50
Grand Junction Box Works 3.25
Swift Meat Packing Plant 3.65
Fruit Growers Exchange 3.25
Purina Chows Feed Mill 3.45

AUTHENTICAST
HO Girder Bridge 2.00
HO Signal Bridge 1.75
Operating HO Gantry Crane 15.95

AYERS
Mission Style Station 1.90
Passenger Depot 4.25
1886 Freight House 2.95
Diesel House-$3.30 Water Tank. Mission Gas-$.75 Lumber Yard 4.25
Union Ice Co. 4.25 Old Town 4.95
Icing Platform Extension 2.10
Coaling Tower 1.10
Diesel House Interior 2.25
Modern Factory 2.25
Deck Timber Bridge 1.50
Thru Timber Bridge 3.30
Timber Trestle 3.75
Old Town Lodging 3.75
Freight Platforms 1.25
2 Modern Stores 1.25

MODELTON
Picket Fence, Ft. 15c Billboards 1.50
Freight Stn. $1.75 Newstand 1.25
Hand Car Hse 3.00 Water Tank 1.95
Stn. Platform 1.50 Old Time Dpt. 4.50
Trackside Tank 2.25

PLASTICVILLE, U.S.A.
6 Evrgrn. Trees—.10 Post Office .79
Fence & Gate—.25 5 & 10¢ Store .79
12 Telephone Poles .45 Super Mkt. .79
House Kits (Cp. Cod or Ranch) ea. .49
Kits (Pol. Stn. or Dr. & Hdwr.) ea. .79
Fire House .79 Chuch 1.00
Passenger & Freight Station 1.00

STEWART PRODUCTS
Automatic Car Washer 2.45
Diesel Oil Tank & Pump House 1.95
Diesel Sand Tower 1.10
Diesel Service Unit .75
Diesel Water Column .60
Watchman's Shanty 1.00

SUYDAM
Nite & Day Water Heater Co. 4.25
Interior Details—2.25 Lighting .95
3 Stall Roundhouse 5.25
Extra Stalls 1.25

FIGURES—ACCESSORIES

AUTHENTICAST FIGURES
Crosswalk Scene—1.89 Farm Set 1.89
Fire Fighting Set—2.50 Rd. Signs 1.89
Flat Car Loads—2.50 Accid. Grp 1.89
Bus Stop Scene—1.89 Flag. Signs 1.59
Passengers & Workmen 1.69

TRU-SCALE
SCENIC BACKGROUND ea. 1.00
Farm Scene; Town Scene; Mountain.

LOOK

TT GAUGE FANS

Room does not permit complete listing of TT equipment. Among the lines handled: H-P PRODUCTS (catalog 10¢); GANDY DANCER (catalog 35¢); A.L. Co. Road Bed (free catalog); KEMTRON, etc., etc.

TREES, INDIVIDUAL ..6 for 1.00
Green Shade Tree; Cypress Tree; Orange Tree; Apple Tree; Spring; Autumn Tree
SHRUBS AND MISC. ..1.00
Hedge [Flowered 3"-5"]; Hedge [Rubber 1½"]; Mounted Hedge [Flowered as above 5]; Hedge, [Rubber Plain 5"x¾"-6]; Mounted Plain Plant [6]; Mounted Flowered Plant [5]; Vine Plain [6]; Vine, Flowered [5]; Imitation Grass; Earth
ORNAMENTAL FLOWERS ..6 for 1.00
Red; Yellow; Blue; Green; Mixed Red & Green; Mixed Yellow & Green; Assorted

CEMENTS
Plasticate #410M .29
Ambroid .30
Geo [Walthers] .60
Model Cement .10; .15; .25

FLOQUIL PRODUCTS
AUTHENTIC RR. COLORS ea. .45
Engine Black; Reefer White; Caboose Red; Tuscan Red; Car Red; Roof Brown; Reefer Gray; Reefer Yellow; Reefer Orange; Pullman Green; Coach Green; Earth; Flesh; Diesel Maroon; Diesel L. Green; Diesel D Green; Diesel L Blue; Diesel D Blue; Flat Varnish; Tuscan Red SM; Diesel Glass; Flat Varnish Diesel Purple; Silver; Copper; Gold; Brass; Glaze
Dio-Sol Thinner—.25 8 oz. Can .65

STEWART-LUNDAHL 410M
AUTHENTIC RR. COLORS ea. .45
Flat Black; Box Car Red; Reefer Yellow; Reefer Orange; Tuscan Red; Clear Gloss; Pullman Green; Coach Green; Caboose Red; Roof Brown; White; Blue; Gray; Box Car Green; Tank Yellow; Socony Red
Thinner (2oz.) .30 Thinner (8 oz.) .65
Hiah Ball Spray Black 1.29

MISCELLANEOUS
Track Cleaner .98
Rust Preventative 1.49
Loco Smoke .98

BOOKS
How To Wire Model RR. (Wescott) 2.00
"To Run Mdl. RR (Boomer Pete) 2.00
Model RR. Encyclop. [Kalmbach] 6.00
Track and Layout (Kalmbach) 2.00
Prac. Guide to Model RR 2.00
Introd. to Scale (Wescott) .15
Fun with Model Railroads .15
Model Cars & Locos 1.00
How to Wire Supplement .75
Small RRs. U Can Build 1.00

MFG. CATALOGS
Mantua Encyclopedia .35
Walther Catalog .50
Varney, Alhearn, HObbyline: ea. .10
Penn Line, Model Die Casting ea. .25
Marklin or Authenticast ea. .35
Selley .10

HOW TO ORDER

Send payment in full. No stamps, no C.O.D.'s.

Address your order to us at the branch office nearest to you:

156C West 25th St., New York 1, N. Y.
55C E. Washington Street, Chicago 2, Illinois
Rm. 230C, 742 Market St., San Francisco 2, Calif.

ORDER NOW! GET ALL THE AHC "EXTRAS"

NO MINIMUM ORDER • NO MINIMUM ORDER

WE DUPLICATE ANY OFFER made by any other advertiser. Attach ANY ad to your order—and take advantage of the AHC "extras."

READ THIS ENTIRE MAGAZINE FROM COVER TO COVER . . . EVERYTHING ADVERTISED CAN BE ORDERED FROM AHC.

Branches Coast-To-Coast

AMERICA'S HOBBY CENTER, Inc.

1931 24th YEAR 1955

America's Largest Source of Models & Supplies

AHC Money Savers

ATTENTION MFRS.! JOBBERS! DEALERS!
CLOSEOUTS WANTED
We pay cash for your closeouts. Mdse. must be clean. Tell us what you have. Write to Mr. Papell.

LOOK! special bargain offer

Here's the bargain-gift offer that had us swamped at Christmastime! Now . . . in answer to your many requests and letters—"Operation CHRISTMAS GIFT" continues. It's the most tremendous bargain ever. LOOK SEE!

GIFT NO. 1 COSTS YOU ONLY **25¢** with every order of $5.00 or over.

HERE'S WHAT YOU GET:
AHC 5-in-1 Track Gauge • 12 Fishplates • AHC Track Cleaner • 2 AHC Terminal Connectors • Parts Box • Tube of Cement • 32 Decals HO Right of Way Signs • HO Manual "GUIDE TO MODEL RR"

GIFT NO. 2 COST YOU ONLY **50¢** with every order of $10.00 or over
You Get Everything in **GIFT #1 . . . PLUS**
AHC All-Gauge Track Plan Designer • 2 Artist Brushes #1 & 2 • 6 HO Farm Animals.

GIFT NO. 3 COST YOU ONLY **75¢** with every order of $25.00 or over
You Get Everything in **GIFTS #1 and 2** ***PLUS...*** Set of 7 RR. Paints • Set of 12 Jewelers Files • 50 Ft. Hook-Up Wire.

SAVE

REG. 89¢
69¢
SET OF 7 RR. PAINTS
1/6 oz. bottles. Made by a leading mfgr. One each of Tuscan red, Box Car red, Reefer yellow, Reefer orange, Caboose red, Thinner and Engine black.

SPECIAL BUY

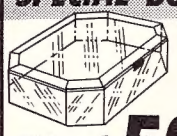
VALUE ~~$5.65~~
1.98
HO RHEOSTAT
50 ohm, 50 watt. Mfgd. by DeJur. Ceramic insulation. Comparable to those selling as high as $5.65.
50 ohm, 75 watt Ohmite Rheostat.... 2.98

REDUCED

REG. ~~35¢~~
25¢
AHC 5-in-1 GAUGE
All metal combination utility tool for checking not only HO track gauge, but guard rail spacing, spike projection, wheels and flange thickness. A wonderful gadget!

SPECIAL

WAS ~~$2.25~~
1.49
Imported Swiss Precision Screwdrivers
Six separate and individual screwdrivers, #s 0-1-2-3-4-5. Colored heads for easy identification.

SPECIAL BUY

WAS ~~15¢ ea.~~ 6 for **50¢**
AHC PARTS BOXES
Handy transparent plastic parts boxes with hinged tops. Measures 1¾" x 2¼" x ¾" high. Ideal for small parts storage.

REDUCED

REG. ~~98¢ ea.~~ TWO FOR **1.59**
Switch Controller
Complete with two colored G.E. miniature bulbs, mounting screws, number strips, full instructions.

SAVE

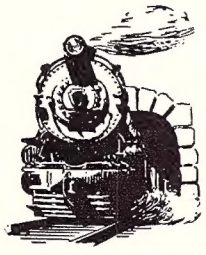
IMPORTED SWISS PATTERN JEWELER'S **FILES**
35¢ EACH
Your choice of round, ½ round, flat, oval, knife, square, 3-sided, equalling, barette, flat oval, triangle or diamond.
SET OF 12 (above) **$2.39**
12 in wood box with sliding plastic cover **$2.50**

AHC Track Cleaner
WAS ~~25¢~~

Keeps Track Bright & Clean
15¢

HO Right of Way Signs
RAILROAD CROSSING
REG. ~~30¢~~
15¢
Sheet of decals with 32 signs (10 different kinds) usually found around railroad yards.

TURN PAGE FOR MORE AHC SUPER BARGAINS AND HANDY ORDER FORM



DISPATCHERS REPORT

A NEW manufacturer in O gauge products would like to know how you O gaugers would like an operating scale sized handcar at a price about the same as an HO 0-4-0? If you're interested, let the old Dispatcher hear from you, at RMC, Ramsey, N. J. . . . The Baltimore & Ohio Railroad has prepared a comprehensive listing of steam locomotives used on the B&O which lists the types and quantities of steamers still being used on each and every division and the type of service in which they're being used. You can obtain one by writing to Lawrence W. Sagle, B&O RR Public Relations Dept., Baltimore 1, Md. And the old Dispatcher suggests that you send along a stamped addressed business size envelope to expedite matters. The list, incidentally, is as of Nov. 1, 1954 and is subject to change without notice.

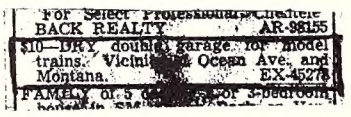
Ed Ravenscroft, Chairman of the NMRA Data Sheet Committee has sent along the second set of Data Sheets being released to NMRA members, during the past year. Included in the set are three sheets on architectural elements, two on safety appliances (ladders, etc.), one on passenger cars and also a revised sheet on signal applications. Data Sheets contain the type of information that you probably don't need *now* but will need at some future date and then the Data Sheets present the information in a concise manner. The Data Sheets are sent free to members. Information on the NMRA can be had by writing Bob Bast, NMRA Office Manager, PO Box 1238, Station C, Canton 18, Ohio.

In the February 1952 issue of RMC there appeared an article on the car ferry "Pheobe B. Beebe," a staunch craft capable of holding 6 freight cars. The builder, one William Schopp, has since traded this proud old craft to a Windsor, Ontario, doctor. Now we learn that a new chimpanzee on the Dave Garroway television show "Today" has been named "Pheobe B. Beebe." What kind of monkey business is this?

Many TV people are model railroad fans. Besides some of the stars who claim to be miniature railroaders for publicity purposes (they build 'em during commercials!) there are many headliners and technicians who really are modelers.

On the west coast, the Seattle Society of Model Railroaders, Inc., has dismantled its old pike and have moved into new quarters in Seattle's Union Station, thanks to the Milwaukee Road and Larry Dugan of that company in particular. A new HO layout will be started soon and we'll bet that an orange and red color scheme will predominate on the rolling stock.

Anton F. Bruns sends in a classified ad found in a Santa Barbara, Calif.


BACK REALTY AR-98155
$10—DRY double garage for model trains. Vicinity Ocean Ave. and Montana. EX-45278

newspaper. We hope the party was able to get what he wanted . . . Hobby shops continue to improve their merchandising methods and displays. Up in Bridgeport, Conn., Irv Yundin has just moved into a new store and he has good reason to be proud of it. Local hobby shops, by and large, are doing a pretty good job and deserve your support. Many hobby shops are owned and operated by men who have been long time model railroad fans and they're usually more than willing to help you out on your problems but don't ask 'em how to wire your pike on a busy Saturday morning when the counter is 3 deep!

WE DON'T CARE....

If you try all other paints first— as long as you try **FLOQUIL MODEL RAILROAD COLORS.** Once tried — you'll always use them.

We *guarantee* you satisfaction, performance, ease of handling and *durability*.

Why not save yourself a lot of extra work and aggravation. *Start out* with **FLOQUIL MODEL RAILROAD COLORS.**

SELECTED BY/AS THE BEST

Floquil Prods., Inc. — OUR FEATHER IN THE CAP — A Floquil PRODUCT — TOPS THEM ALL — **Cobleskill N. Y.**

THE FINEST HO CARS ROLL ON CENTRAL VALLEY TRUCKS

9 TYPES

Brass wheels, pin point axles, metal frames, and real springs

SOLD THROUGH DEALERS ONLY

CENTRAL VALLEY

13000 SATICOY ST., N. HOLLYWOOD, CAL.

THE (Trade) ***FLYING*** BRAKEMAN (Mark)

JUMPS ON AND OFF WHILE TRAIN IS RUNNING

MOST AMAZING AND ENTERTAINING INVENTION TO COME OVER THE PIKE IN MODEL RAILROADING HISTORY

Copr. 1953 Details FREE

H. M. HERMAN

498 Hamilton Villa Park, Ill.

NEW PRICES!!!

HO "READY TO ROLL" CARS

Due to the large number orders we have received we have been able to reduce costs and pass the savings on to you.

ATHEARN BOX CARS	$4.50
ROUNDHOUSE BOX CARS	3.50
ULRICH HOPPER CARS	4.75
BLUE LINE PASS. CARS	7.00

All prices include your choice of couplers.

Send 3c stamp for price list on our complete line of cars and engines.

Custom Assembled and Sold by "READY TO ROLL LINE" Division of

R. J. BLACK AND COMPANY

10 Douglas Street Waldwick, New Jersey

O gauge, like the waltz, is coming back. But, whoa; *who* says it ever went away? There are more O gaugers, than ever before but percentagewise they're overshadowed by the HO gaugers, that's all. And one O gauge line that hasn't really been away but which has admittedly been mighty scarce is the E. P. Alexander line of O gauge locomotives . . . Alexander's DeWitt Clinton is due to be followed by a nifty 0-6-0 switcher with slope back tender and it'll be designed so that you can pattern it for the B&O, NYC, New Haven, and even Pennsy, plus many other lines. Ed also is contemplating a Pennsy K-4, GG-1, and the famed NYC No. 999 . . .

One of the things which NMRA members get for their membership is the *NMRA Bulletin*, now being edited by an old time newspaperman from Yonkers, New York; Tom Salmon . . . If you're overloaded with Corn Kix and Sugar Crisp, try mixing it with raw hamburger meat and feeding it to the dog . . .

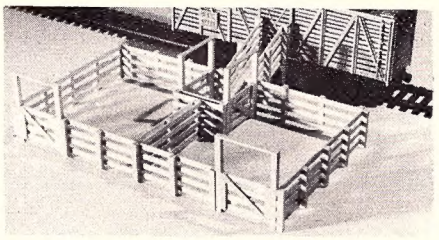
How's your pike doing? Is it bogged down on incidentals and are operations somewhat on the shoddy side? Maybe you should merge your pike with that of a neighbor and see if that doesn't pep things up. It might mean the start of a new club. A neighborhood club doesn't necessarily have to to have a club pike but can operate as a round robin with each member railroad being a host on a rotative basis. If you'll keep the Idiot's Box turned off and hide the comfortable chairs, chances are pretty good you'll get some work out of the guys.

J. Lionel Cowan, top Lionel brass hat, was a recent guest on the Jack Paar (CBS) Morning Show. Mr. Cowan displayed some beautiful ancient Lionel items in mint condition that had this Old Dispatcher's mouth watering. According to Mr. Cowan, diesel models are now outselling steam outline locos. Wonder if this is also true in the scale model field ? Mr. Cowan also says that passenger car sales fall into cycles, with really big volume about every 6-7 years.

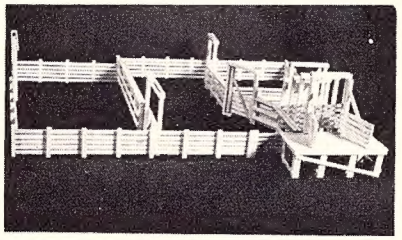
Probably one of the most popular columns in RMC, aside from the old Dispatcher's page, of course, is the Swapper's Column. So many readers have been taking advantage of this exclusive Railroad Model Craftsman service that there is now a waiting list due to lack of space. You can help your fellow readers get their ads in sooner if you will (1) limit your ads to once every three months or less, and (2), keep your ads as short as possible and abbreviate wherever possible. Excessively long ads are subject to editing or return and may also be held until space permits their use.

Wonder if the Great Northern will push their electrification through to Seattle, 84 miles from the present end of wire. Some thought has been given this proposition, also complete electrification elimination or curtailment so that it takes in only the Cascade Tunnel alone. Electrification generally is justified only when there is very heavy density of traffic, such as on the Pennsy or New Haven; where power is cheap; or where there are very unusual operating conditions. Diesel locomotives are actually self powered electric locomotives, the diesel engines driving traction motors which power the locomotive.

What's New In Model Railroading



STOCK LOADING PEN AND CHUTE: O gauge ¼" Scale. An attractive all wood kit of precision cut wood parts that's swell for scale or tinplate O gauge pikes. Full size drawings are included; the finished model measuring 9⅛" x 11¼". Two kits may be placed side by side and will then accommodate two 40' stock cars without uncoupling. Kit No. ST-101, price $2.35. Mfgd. by Boxcar Ken, PO Box 5271, Metropolitan Station, Los Angeles 55, Calif.



TIMBER TRESTLE, STOCK PEN: O gauge ¼" Scale. Two interesting O gauge kits for scale or tinplate that are easily built up from white pine strip wood. The manufacturer also offers the strip wood separately. Send stamp for free list of O gauge accessory kits. Mfgd. by Richard A. Lee, 719 Moore St., Bristol, Va.

Coming Events

GARDEN CITY, L. I., April 23-24. Northeastern Region NMRA Spring Convention. Registration and entry of models for contest and drawbar pull contest 9-12 noon. Pix for photo contest also at this time. Railroad fan trip on LIRR will visit Morris Park engine terminal for guided tour and look at steam power, diesels, and MU overhauling. Stop at Jamaica and return by backwoods route. Banquet and drawbar contest in evening. Models will be displayed in large room and will be guarded overnight. Sunday April 24th, breakfast and business meeting, followed by visits to HO and O gauge clubs in vicinity. Package deal for all events $8.50. Reservations from Andrew Sackerman, 77-44 Austin St., Forest Hills, N.Y.

BUFFALO, N. Y., May 13-15. Niagara Frontier Region NMRA spring convention. Complete details and reservations from Publicity Director NFR, Mr. J. A. Houde, 40 Linn Ave., Auburn N. Y.

ELGIN, ILL., May 14-15. Midwest Region NMRA spring convention. Details from Frank Saville, 839 Touhy, Park Ridge, Ill.

NEW HAVEN, CONN., March: New Haven Society of Model Engineers annual Spring Show, the first three weekends in March. Friday 7-10 PM, Sat and Sun 2-5:30 PM. Admission adults 40c, children 25c in groups (Scouts, etc.), or 30c individually. The club rooms are located at 90 Court St. and both HO and O gauge layouts will be in operation.

New Clubs

MINEOLA, L. I.: Nassau Model Railroad Club, Inc. (HO), with 19 charter members has been organized, a merger of two smaller clubs in the area. Meetings are held each Thursday eveniig at 8:15 PM, at 25 Jericho Turnpike, Mineola. Prospective members should contact Tom Pickhardt, 150 Brompton Rd., Garden City, L. I.

4 STAR GUARANTEE

★ To give complete satisfaction or your money refunded ★ To save you money
★ To insure safe delivery anywhere in the world ★ To deliver what we advertise

LOOK!

32 PAGE FULLY ILLUSTRATED
"GUIDE TO MODEL RAILROADING"
The How-to-do-it Manual of HO

Contains a Wealth of Information . . . Including:
Building a Complete Model Railroad • Wiring your Layout • Trouble-shooting your Locomotive • Track Work Tips • How to Build Scenery • Track Layouts • Tips on Painting your Equipment . . . And Many, Many Charts, Diagrams, Pictures, etc., etc.

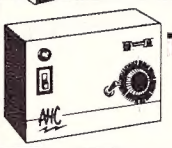
ONLY $1.00 Actually, it's FREE

INCLUDES FULL $1.00 REFUND COUPON FOR YOUR NEXT ORDER

HO BRASS RAIL
495' for $9.95 — 99 FEET $2.50

POWER PACK BARGAINS

FAMOUS "AHC"
SOLO-PACK with pulse power
ONE TRAIN POWER PACK
$15.00 Value, for ONLY **8.95**



FAMOUS "AHC"
TRIO-PACK
FOR 2 OR 3 TRAINS
$25.00 Value, for ONLY **17.49**

save! "HO" SWITCHES $1.50 EACH

6 for $7.50
Completely assembled. 4, 6 or 8 RH or LH. All brass . . . made to N.M.R.A.'s rigid specifications. The smoothest operating switches you can buy. NO MINIMUM ORDER.

FAMOUS "AHC" FLEXIBLE "HO" TRACK

50¢ Per 3-foot Section
25 SECTIONS FOR $10.00
Accurately detailed — solid brass rail on heavy gauge fibre tie strip. Meets our own (and N.M.R.A.'s) specifications. NO MINIMUM ORDER!

LOOK! SAVE!
50' COILS • ASST'D. COLORS
Single 20 Gauge Solid, Plastic Covered

WIRE
6 COILS ____ $2.75
12 COILS ____ $5.25

0-20 D. C. AMP METER

Panel mount 2¾" square with bracket. Reg. ~~$3.00~~ **2.00**

61-80 CARBON DRILL SET

HUOT CASE
Reg $6.50 **4.50**

FAMOUS BRAND • AAR BETTENDORF
ALL METAL SPRUNG FREIGHT TRUCKS
Reg. 90¢ pr. **50¢** pr. ONLY 700 pair

AHC All-Gauge Track Plan Designer

REG. $1.50 **1.00**
Saves hours of labor. gives 16 curves, 4 crossing angles, double track spacings, etc.

HO FARM ANIMALS

WAS 79¢ **35¢**
Set of 6 (unpainted). Includes: sitting pig, standing pig, sheep, lamb, horse and cow.

POWER SUPPLY SPECIALS

DC POWER SOURCE . . . 4 amps, 12 volts in a build-it-yourself power kit. Here's a basic unit consisting of transformer, line cord, full wave constant duty selenium rectifier — color coded and labeled for hookup, 5 amp circuit breaker and holder, etc. An ideal power source for cab control.
REDUCED TO..... **$9.00**

TOGGLE SWITCH
DPDT, for reversing
3 for $1.10; 6 for $2.00 **39¢**
Reg. 95¢

CORK ROADBED

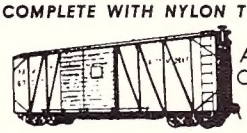
Flexible . . . easily curved to match your track layout. Comes beveled for realism. **30¢** Per 3-foot Section
NO MINIMUM ORDER!

CALLING ALL N. Y. CITY and metropolitan area MODELERS
156 West 25th Street, New York 1, N. Y.

VISIT OUR FABULOUS **"HOBBY CITY"** in the heart of New York
Everything under the "modeling sun" . . . under one roof. If it's available anywhere in the world, you'll find it here. Choose from the world's largest stock - including the smallest engine parts.
EXPERTS ON HAND AT ALL TIMES . . . THEY'RE HERE TO HELP YOU!

EVERYTHING advertised in this magazine can be ordered from AHC

HO CAR KITS
COMPLETE WITH NYLON TRUCKS



Any Six Cars for $5.00 **98¢**

Compare these car kits with any on the market! A real bargain value at a bargain price. They're complete in every detail with printed, scored or embossed sides, metal parts such as ladders, steps, brake wheels, etc., etc. Full sized plans included.

PLEASE ORDER KITS BY NUMBER

REFRIGERATOR	BOX CARS	FLAT CARS
(1) PLUTO WATER	(7) M.K.T.	(13) L. & N.
(2) BABY RUTH	(8) WABASH	(14) C. & N.W.
(3) HORMEL FOODS	(9) G.T.W.	(15) MILWAUKEE
(4) M.T.D.	(10) T & P	
(5) GREEN BAY	(11) M.P.	ALL 15 CARS FOR ONLY **$11.95**
(6) A.R.T.	(12) C. & E.I.	

Above Kits with SILVER STREAK Metal Trucks $1.25
Any 6 for $6.95 All 15 for $15.49

SOLDIERS! SAILORS! MARINES!
Orders placed through us get special attention. We understand your problems and take special care of your orders. No postage or packing charges on orders for over $2.00.

CANADIANS & FOREIGN MODELERS!
You save plenty by ordering from us. We accept your currency at market value. Add 10% for postage and packing (minimum 50c).

HOW TO ORDER
Send payment in full. No stamps, no C.O.D.'s. Address your order to your nearest AHC branch office. Include 25¢ extra if order is under $2.00.

AMERICA'S HOBBY CENTER

156C West 25th St., New York 1, N. Y.
55C E. Washington Street, Chicago 2, Illinois
Rm. 230C, 742 Market St., San Francisco 2, Calif.

Please RUSH me the following:
PLEASE PRINT
Name _____
Street Address _____ Amount Enclosed _____
City _____ Zone _____ State _____

☐ **Gift #1** I enclose 25¢ and this order for $5.00 or over. ☐ **Gift #2** I enclose 50¢ and this order for $10.00 or over. ☐ **Gift #3** I enclose 75¢ and this order for $25.00 or over.

Page	Quantity	Name & Description of Items	Cost Each	Total
			Total	

24 HOUR SERVICE AT ALL TIMES

Branch offices, conveniently located coast-to-coast, airmail your orders to our N.Y. headquarters for immediate shipment.

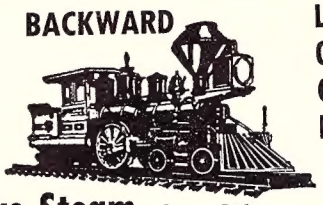
SAVE TIME!
USE THIS HANDY ORDER FORM

ALL ORDERS PROCESSED IN **24 HOURS**

GUARANTEED *Safe Delivery Anywhere in the WORLD*

DE LUXE RAILROAD CATALOG
25¢ The most complete catalog you've ever seen. It's our famous GIANT 64 PAGE — 2 COLOR CATALOG (9" x 6"). Contains all the popular railroading items: locomotives, track, rolling stock, power packs, structures, figures, accessories, etc., etc., Over 4000 railroading items. GIVEN FREE WITH EVERY ORDER.
MANY MORE BARGAINS IN OUR CATALOG

THE BACKWARD LOOK



Live Steam Out of the Past, In our NEW 1955 CATALOG

C. P. HUNTINGTON & THE AMERICAN TYPE in all their beauty! See passenger carrying locomotives you can build without a lathe or mill. We do the machine work, you bolt 'em together. Our cast boiler reduces work to a minimum. CASTINGS, RAIL, BOILER FITTINGS & EVERYTHING FOR locos in 4½", 1", ¾", ½" and ¼" (O gauge) scales.

100 page catalog fully illustrated 50c

LITTLE ENGINES Box A Lomita, Calif.

REMEMBER Laconia Colorful HO LINE KITS

LACONIA INDUSTRIES, Inc.
1707 E. Roosevelt Stockton, Calif.

EQUIPMENT DRAWINGS
BY ULRICH B. GRAFF

BLUE LINE ORIGINALS OF THE SAME DRAWINGS YOU HAVE SEEN IN RAILROAD MODEL CRAFTSMAN. SUITABLE FOR FRAMING OR AS WORKING DRAWINGS.

The following are now available

L-1 BALDWIN LOCOMOTIVE No. 46 (1846)
L-2 LOCOMOTIVE GOVERNOR STANFORD (1862)
L-3 LOCOMOTIVE C. P. HUNTINGTON (1863)

Except L-1, all furnished with tender drawing.
Folded in legal envelope, $1.00, Post free.
Rolled in Mailing Tube, $1.15, Post paid.
Please state "O" or "HO" Gauge. Other gauges may be considered — drop us a post card.

SPECIAL DEALER OFFER AVAILABLE
277 Bel ayre Drive San Jose, Calif.

BALDWIN MODEL LOCOMOTIVES WORKS
(Under new ownership and management)

King Ludington Ken Hyslop

- Freight & Passenger Diesels—A & B Units
- GG1, Fairbanks-Morse Switcher, B-L Electric
- New York Central "Niagara" 4-8-4

Above "O" Gauge

Santa Fe 2-10-2 HO gauge only

P. O. BOX 1225 Greenwich, Conn.

"YEARS AHEAD IN EVERY WAY!"

Now YOU can have it!

MAIN M-70 MOTOR

- √ CLEAN DESIGN—SMOOTH EXTERIOR
- √ EASY TO MOUNT
- √ PRECISION ENGINEERED
- √ TOP QUALITY THROUGHOUT

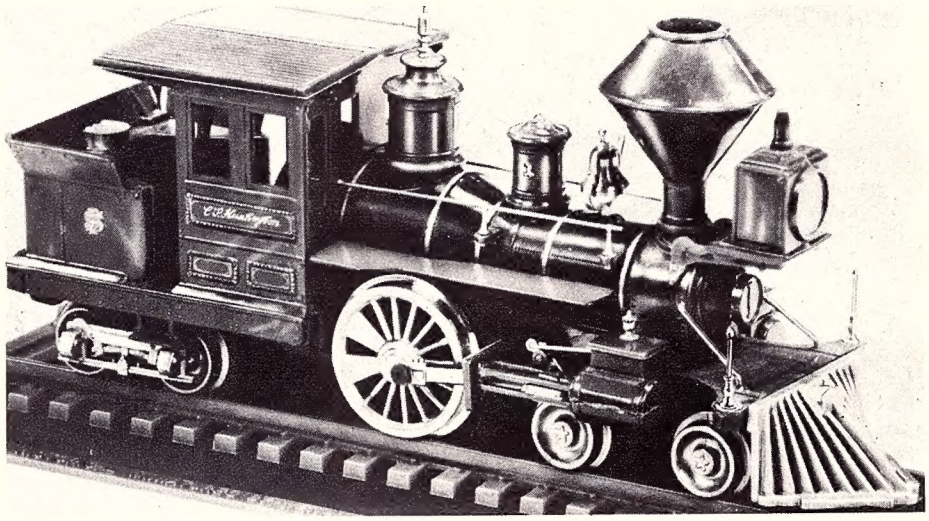
Designed for S, Sn3, HO, HOn3, and TT gauge railroads—the motor all model railroaders are waiting for!

SEE YOUR DEALER TODAY —or write

MAJOR ELECTRONICS
8449 CROYDON AVE.
LOS ANGELES 45, CALIF.

OFF THE TEST TRACK

IN MODEL RAILROADING



Wen-Mac C. P. Huntington

All model railroad builders will be interested in this excellent ¼" O gauge mantlepiece model of the C. P. Huntington, recently released by Wen-Mac, a name new to the model railroad field but familiar to aironuts.

The model is essentially the same as one offered some years ago by another company but features many changes plus a lower price. Even if you own the earlier version, you may find this one of interest. Most noticeable change is in the color. The boiler cab, and tender, are now a lustrous black, with only the pilot, all wheels and side rods, and tank filler cap molded in silver. These colors set off the turned brass hand rail posts, braces, and stanchions very noticeably.

Assembly is simple but requires care to avoid smearing the special cement on the outside of the plastic parts since the cement will attack the plastic. The illustrated instruction sheet is very well done with large, clear line drawings and covers the assembly step by step. The modeler need only remove tiny bits of flash from the component plastic parts and assemble according to directions.

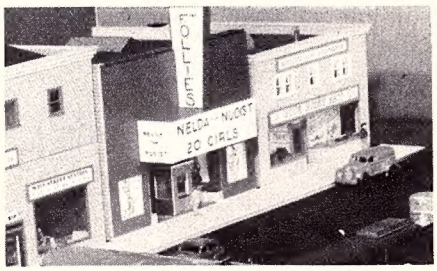
The completed model can be used as an atmosphere piece for use on any O gauge railroad or it may be mounted with one wood screw to a one piece plastic display piece included with the model. Some modelers have successfully powered this replica, some even adapting it to On3 and On2 gauge.

The prototype dates back to 1864 and has an odd 4-2-4 wheel arrangement. Built as Central Pacific R.R. No. 3, it later became Southern Pacific No. 1 for which decals are included. The prototype is 32 feet long, weighs 39,000 pounds and develops 250 horsepower The engine is now on permanent display at Sacramento, California, in front of the Southern Pacific station. Kit price, $2.95. Mfgd. by Wen-Mac Corp., 2240 Centinela Ave., Los Angeles 64, Calif.

Burlesque Theater, Suydam

The theater building is one of three "Main Street" structure kits recently released by Suydam, and represents a departure from the familiar Suydam all metal-construction buildings. The others in the series are a Main Station kit and a Hobby Shop. Constructional details are similar in all three kits with minor variations.

All major building parts are die cut and preprinted on tough white card stock. The sides and rear wall are simulated brick with the theater front a "modernized" solid dark green color. The builder must miter the sides of all walls before cementing the walls together. This is easily and quickly done by holding the side at about a 45° angle and rubbing the inside edges on sandpaper until the desired edge is obtained. The mitered edges do away with the usual white cardboard edges seen on card built structures. Strips of ⅛" basswood are used to strengthen the interior of the structure and prevent warping. The floor of the building is made of two pieces of card cemented together. The sides and rear wall of the theater also must have a small addi-



tion cemented to the rear. The thick wall on the top of the theater is simulated by being built up of layers of card and wood.

Two signs are available; one the risque' "Nelda the Nudist" and the second a somewhat tamer "Regent Cinema." Both are included with the kit and are printed on an opaque acetate film so that grain of wheat lamps may be used to illuminate them. No lights are included with the kit. Also included are a cashier's booth and some girly picture reproductions by Peter Gowland. Roof detail is also included. The structure can be assembled in one evening. The manufacturer includes recommendations for adding interior detail, including a stage and the Weston Lady In The Lake. The Follies Theater, Kit No. 72, price $2.25, manufactured by E. Suydam & Co., 1609 3rd St., Duarte, Calif.

Hi-Baller's Black LocoSpray

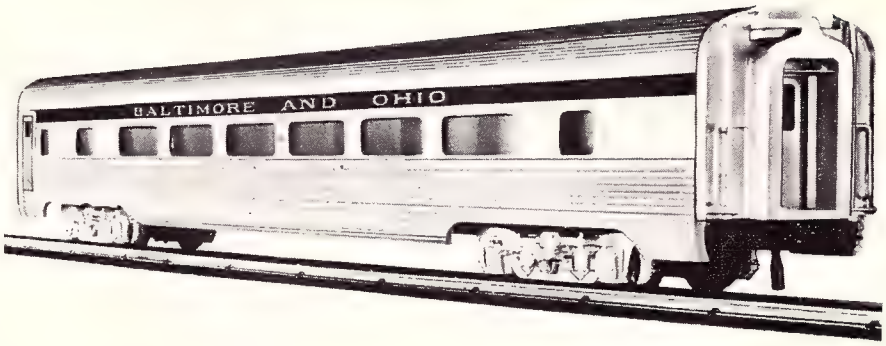
The new 6 ounce can of Hi-Baller's flat black spray paint can is one of the most interesting items we've tried in a long time. About the size of a frozen orange juice can, the spray paint contains it's own non-clog nozzle which is pressed with the thumb to use.

To use the can, the modeler must first shake the can thoroughly until the ball inside the can can be heard to rattle vigorously. The can is then held about 12-18 inches away from the object to be painted and the spray started. Some care must be taken not to spray too much on any one area to avoid running and the can is best held horizontally while in use. Holding the spray can too close will result in running paint, too far away the paint will dry in mid air and cause an odd mottled effect on the model. Needless to say, the model should be placed on a sheet of newspaper while the spraying is being done. The can itself is not messy to use.

The finished coat is a truly smooth finish having somewhat the sheen of graphite. One can will do from 2 to 4 HO locomotives, depending on their size and the care with which the builder directs the spray. Although the cost is somewhat higher than the use of a conventional brush and jar of paint, the resultant finish is comparable to that made by any high priced spray outfit. For locomotives and any special models that need a professional finish, this black is highly recommended.

Incidentally, curiosity got the best of us. We tore our can apart and found the ball to be an ordinary green and white glass marble. That should save you the trouble. Price, $1.29 per 6 oz. can. Mfgd. by Pactra Chemical Co., 1213 No. Highland Ave., Los Angeles 38, Calif.

New!



THE MANTUA LOOK IN STREAMLINE COACHES

Compare These Features

- Heavy, extruded aluminum bodies
- Pressure-molded ends
- Lavish with authentic detail
- Formed aluminum floors
- New high speed, free-swinging Talgo Passenger Trucks
- Die-cast, truck side frames highly detailed
- Nylon wheels for positive insulation
- Steel axles with needle-point bearings
- Balanced, rail-hugging weight (sounds like real, clicking over the rail joints)
- Easy and fascinating to build
- Decals included for B&O, Milwaukee Road, Southern Pacific

Long • Lavish • Life-Like

Nothing like it ever rolled on HO rails before. Now, for the first time, Mantua brings you a streamline coach engineered both for realism and for performance.

Look at the picture. You can scarcely distinguish it from that of the prototype. Put it through its paces. You've never seen streamline equipment hug the rails so tightly or take the curves so smoothly, so unfailingly—and that goes for operation on small, short radius layouts, too!

Yes, Mantua Streamline Coaches are miracles of model making perfection. How about adding a train of Mantua's Streamliners to your schedules? It will pay handsome dividends in operating fun.

Your dealer will have Mantua Streamline Coaches soon. Ask him to show you these miles-ahead passenger kits.

COMPLETE KIT NO. 505 INCLUDING TALGO TRUCKS ONLY $4.95

MANTUA
FIRST IN HO

When writing to advertisers, please mention Railroad Model Craftsman

BUILD YOUR BRIDGES, TRESTLES, TOWERS OF METAL FOR REALISM—
— use —
MODEL STRUCTURAL SHAPES OF BRASS

ANGLES — CHANNELS
H COLUMNS — TEES
ZEES — I BEAMS
Flat, Round & Square Bars—Sheets

Manufactured by
SPECIAL SHAPES CO.
4817 LINSCOTT ST.
DOWNERS GROVE, ILL.
At your dealer or write for price list

Introducing . . . .
THREE NEW ADDITIONS to the WESTON LINE

The Sheriff, No. 245, complete with gun belt and six-shooter, star and spurs. He's ready to draw and protect the rights of the innocent and quell the most villainous badman. 65c

The Drunk, No. 246. Let's face it; we always have them in real life, so why not on the layout. Drape him around the light post or whatever is handy. He also looks perfect hugging our sweater girl or Mrs. Spumoni. She looks terrific with her hands thrown up in horror at such goings-on. 65c

The Mailman, No. 247, is attired in a snappy gray-blue uniform and carrying a pouch full of letters. Cement an oblong piece of paper in his hand, if you wish, as an additional piece of mail to add to the realism. 65c

Other new items are being prepared for release at a later date. Watch for them.

WESTON MINI-FIGURE CO.
ROUTE 1, BOX 53-B • HEALDSBURG, CALIF.

MATERIALS

Northeastern Milled Basswood
2 sheets 1/16″ scribed sheathing-spacing 3/32″
1 sheet 1/16″ scribed sheathing-spacing 1/16″
1 sheet 1/32″ scribed sheathing-spacing 1/16″
1 sheet 1/16″ Capped Siding spacing 1/8″
1 piece stripwood 1/32 x 1/32″
1 piece stripwood 1/32 x 1/16″
4 pieces stripwood 1/32 x 3/32″
6 pieces stripwood 1/16 x 1/16″
1 piece stripwood 1/16 x 3/32″
1 piece stripwood 1/16 x 1/8″
6 pieces stripwood 1/8 x 1/8″
1 piece stripwood 1/8 x 3/16″
1 piece stripwood 1/8 x 1/4″
1 piece stripwood 1/8 x 1/2″
1 piece stripwood 1/8 x 3/4″
Dowels 3/16″ and 1/2″
Ambroid Glue

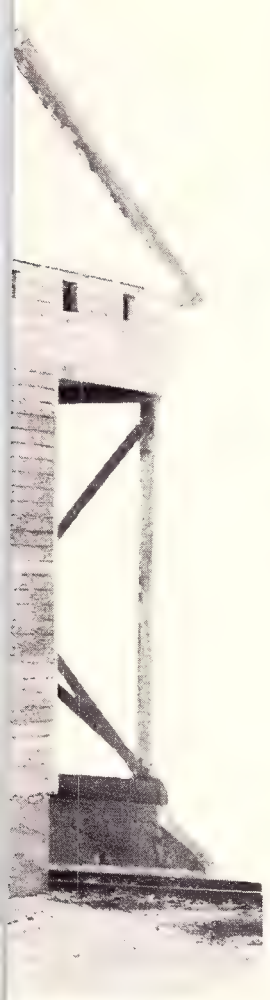
THIS little flour and grain mill is located on the main line of the Santa Fe Railway near Dodge City, Kansas, and was built in the year 1901. The machinery at that time was powered by a gasoline engine, but was converted to electricity in 1912. This milling industry is fully dependent on agriculture, the farmers hauling their grain to the mill to be ground into flour, chicken, and live stock feed. This thriving little mill ships barrel packed flour by rail. About the only inbound traffic by rail is coal and empty barrels.

Although the building seemed to be in an excellent state of preservation, it didn't show any signs of paint, and I would be safe in saying that it hasn't had a paint job in twenty years. The siding on the mill is shiplap, the old style shiplap with ten inch boards. The entire structure has a very weathered appearance, including the signs on the side of the walls. The side walls of the scale house, coal bin and garage are constructed of six inch wide planking. About the only thing that looked new on the mill was the gleaming ribbed metal top side sections and the roof. The ground about the mill was a sandy loam with a patch of grass and weeds here and there, and the track to the rear of the mill had a good growth of grass between the ties.

It would be foolish for me to mention that I took measurements and photographed the flour mill on a hot Sunday afternoon while I was vacationing last summer and that my only source of information of the mill was a gentleman of about seventy years young and, that he didn't know any more about the mill than I have already told you. However, he did say that you could still buy feed, flour and coal at the mill and,—well! If its O.K. with you I won't mention a word about the rest of the story.

I would surely be sticking my neck out should I say that the same activities prevail today that existed in 1912, but, I am quite sure there isn't any milling process now. Regardless of the mill's present day operations it is the subject for this issue.

Northeastern precision cut scale lumber is used exclusively and the material needed to model this structure can be obtained at your favorite hobby shop. For the convenience of our modelers in the state of Texas I have made arrangements with Bobby Hall of the Hall's Hobby House, 4823 Bryan Street, Dallas, Texas, to lay in a supply of the scale lumber used in this model. Bobby Hall guaran-



Staff photographs

Even the most ultra modern streamliner has to pass dozens of structures such as this old mill on its run. Easy to build by following the step by step directions this mill adds atmosphere to any layout.

old time GRAIN MILL

by Lloyd Giebner

tees (order shipped same day received) prompt mail order service.

Tools

The most important tools needed for this project are the square (square all sheet wood — both ends before making any cuts), scale rule, and X-Acto blade and handle No. 11.

Construction

Fig. 1—Lay out the walls according to dimensions on the sheet of scribed sheathing with three thirty-second inch spacing. Cut out all windows and doors with your X-Acto blade No. 11—Add the 6 x 6" trim to all windows and doors as illustrated on front wall.

Fig. 2—Cut out walls, windows and door according to dimensions, add the 6 x 6" trim to all windows, door and corners. The dotted lines represent interior bracing. At the corners use one-eighth inch square strip and at the top edge use one-sixteenth inch square strip. A good method of attaching the 6 x 6" corner trim to the wall is—"place the walls scribed side down on a sheet of waxed paper, glue trim strip to the wall, apply pressure." Next—Glue these four walls together. I suggest you glue one corner at a time and allow it to dry thoroughly.

Procedure—apply glue to the front corner of one of the side walls, then fit it to the front wall. Place the walls on a flat surface in a bottom side up position, then push your square up against both walls to assure a perfect alignment—when dry attach the other side wall—then the full sized rear wall and last the narrow third story rear wall. Cut a ceiling piece from the scribed sheathing to fit in between the walls of the third story, add the ceiling bracing and glue the ceiling in place.

Fig. 3—From the sheet of capped siding cut out the two top side sections according to dimensions—the interior bracing (dotted lines) is one-eighth inch square strip, paint the sections aluminum (use dope silver) and glue on top of the left and right walls—allow these top side sections to overhang the walls about one-thirty second of on inch.

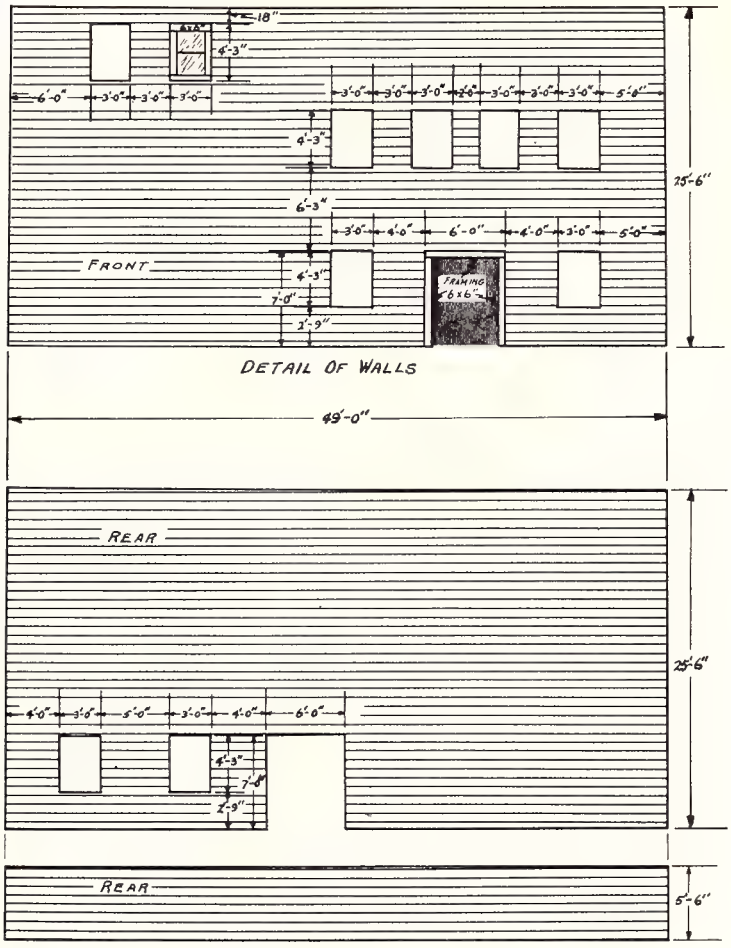
Interior roof bracing:—The bracing runs the full length of the building from one top side section to the other. All the narrow bracing is one-eighth inch square strip—the wide strip on each side is one-eighth by one-half inch and the wide strip at the ridge is one-eighth by one quarter inch.

Fig. 4—Cut out all components of the elevator shaft according to dimensions. Add the corner trim, window trim and the interior bracing to the front and rear sides. Bevel the top outside edges of the left and right sides—glue all four sides together (omit roofs for now) and attach the shaft to the left side of the building.

Painting the walls:—This structure must have a weathered appearance. Thus, paint all walls and all trim (exclude the aluminum top side sections) with brush wash—BRUSH WASH is 410M thinner in which you have cleaned the paint from your pain brushes.

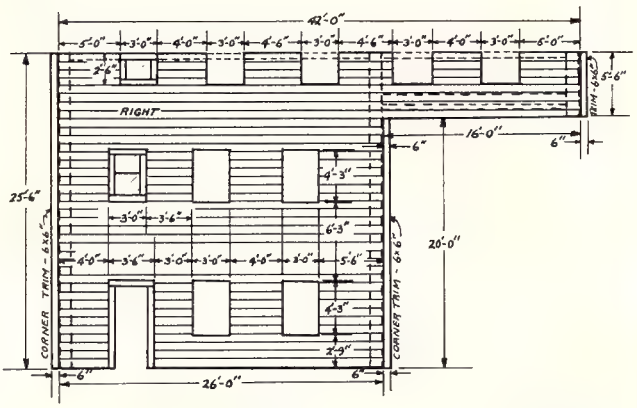
Next:—Scribe the celluloid windows and glue them in place, cut doors from strathmore board, scribe lines and glue doors in place, add interior bracing all around bottom edge of the building and other bracing wherever you think it is needed. Paint doors with brush wash.

Roofs—The roofs as well as the top side sections are supposed to simulate metal ribbed roofing material, therefore use the capped siding. Cut roofs to fit (allowing an 18" overhang) and glue in place, add ridge strip, which is typing paper over



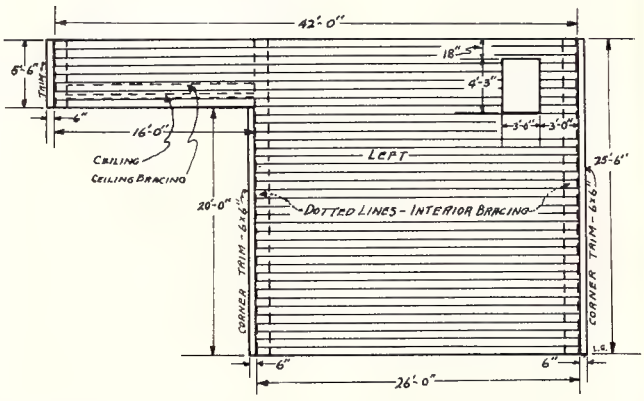
DETAIL OF WALLS

Fig 1.

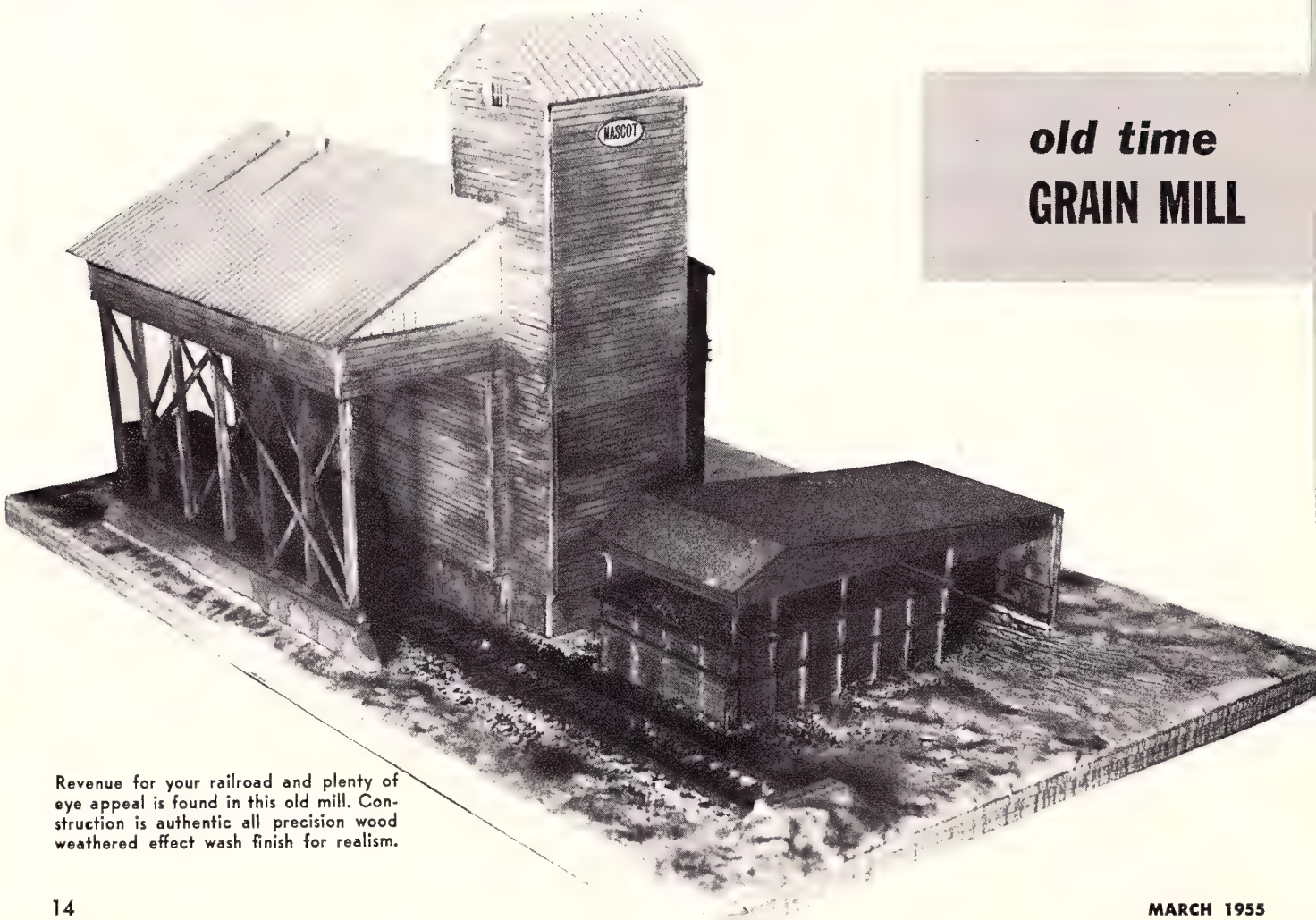


DETAIL OF WALLS

Fig 2



old time GRAIN MILL



Revenue for your railroad and plenty of eye appeal is found in this old mill. Construction is authentic all precision wood weathered effect wash finish for realism.

caps. Paint edges of roof with brush wash and the top with dope silver.

Foundation:—Use a one-eighth by three-quarter inch strip—this three-quarter inch strip adds 5'6" to the heighth of the building. Of course when you use a 12 to 18" thick ground fill all around the bottom of the building, the ground floor will be about 4'6" from the ground, which is about normal for this type structure. Also when your track is in place the box car floor will be level with the building floor, which is as it should be. Paint foundation concrete color.

Fig. 5—Cut out the scale house according to dimensions from a sheet of scribed sheathing one-sixteenth inch thick with a scribed spacing of one-sixteenth inch. The door is cut out and another piece set in flush with siding. Add the window and corner trim and glue together. The foundation is a wide strip 12" high. The roof is Strathmore board painted with black enamel and fine sifted sand sprinkled on to simulate a tar and gravel roof. Glue this scale house to the front side of the building exactly 11'0" from the left corner. Paint with brush wash. Make up the scale platform according to dimensions, using the same scribed sheathing as was used for the scale house. Add the 6 x 9" boxing—paint with brush wash and set aside for now.

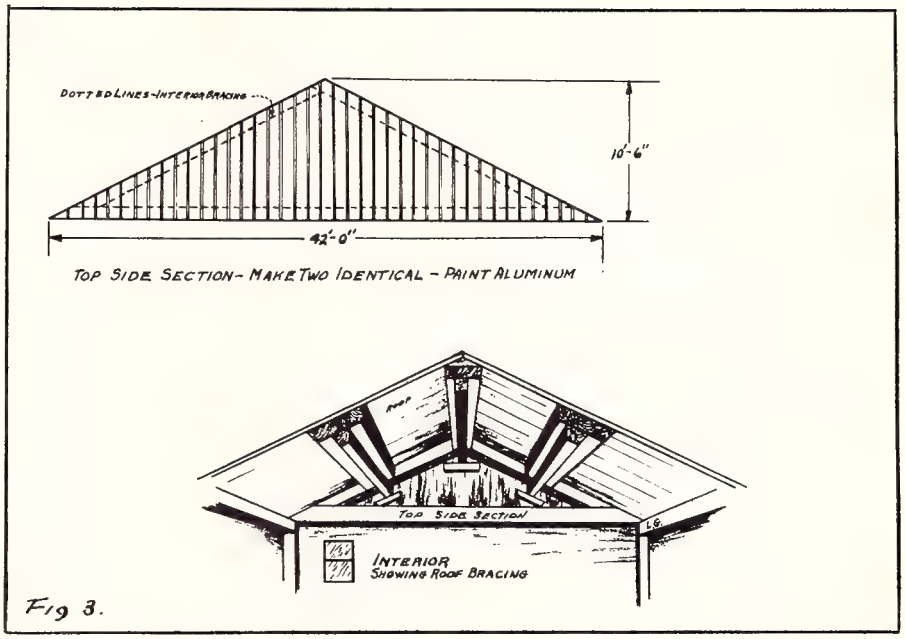


Fig 3.

Fig. 6—The platform is cut out according to dimensions from the same material as was used for the scale house. Cut the posts and bracing and attach to the platform. Then glue platform to the building. Make up the steps and concrete slab and glue in place. Paint with brush wash-slab concrete.

Fig. 7—Take a six or seven inch length of half inch dowel and secure it in your vise, drill hole in the end first, then shape the end (as illustrated) according to dimensions with

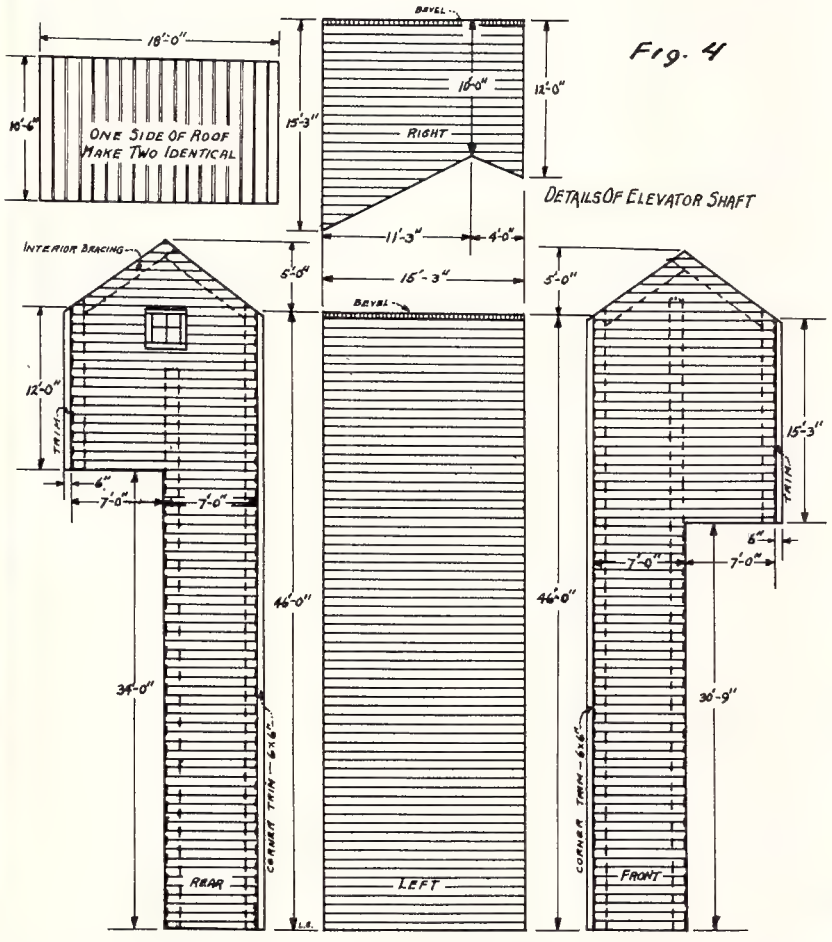


Fig. 4

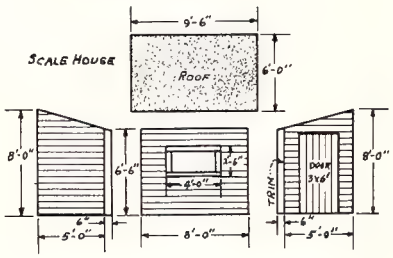


Fig. 5

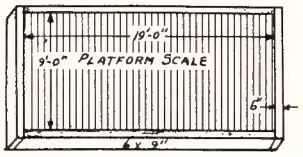
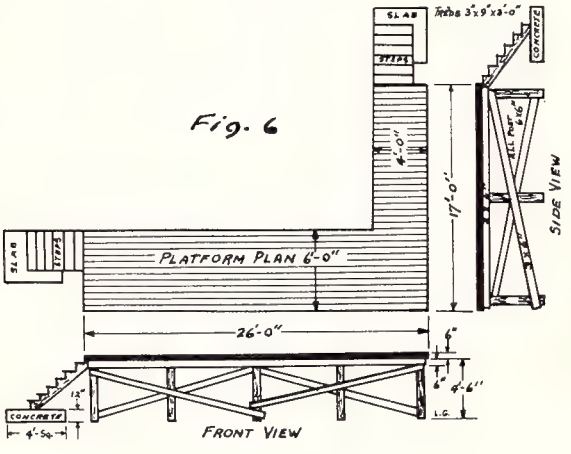
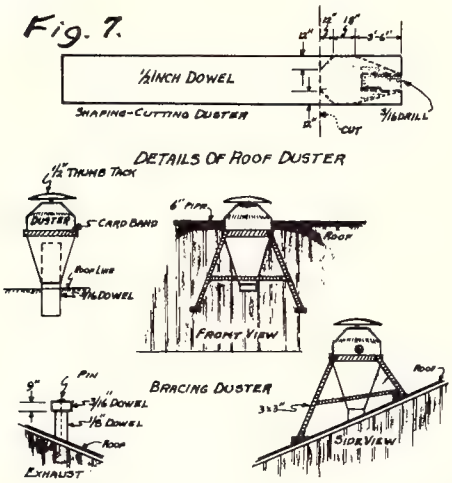


Fig. 6





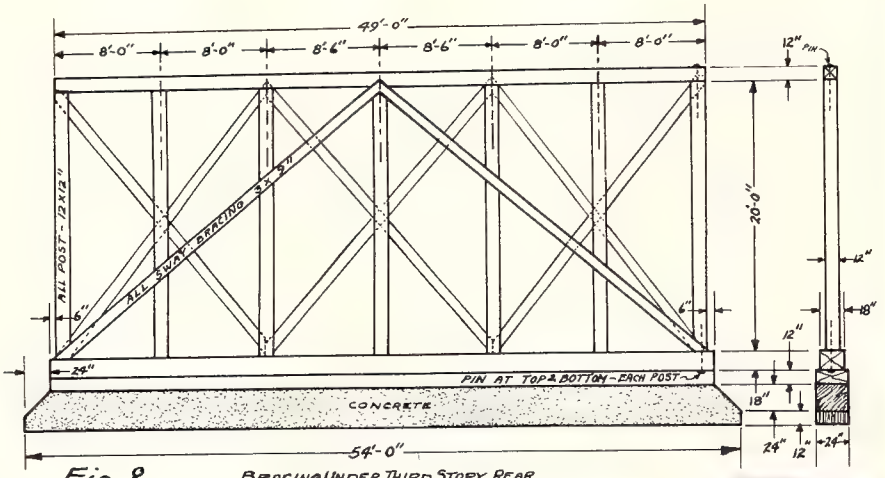


Fig 8. BRACING UNDER THIRD STORY REAR

wood file, sandpaper or lathe. Drill holes for the 6" pipe. Cut at the indicated point, add thumb tack, cardboard and small dowel in the hole, paint with dope silver.

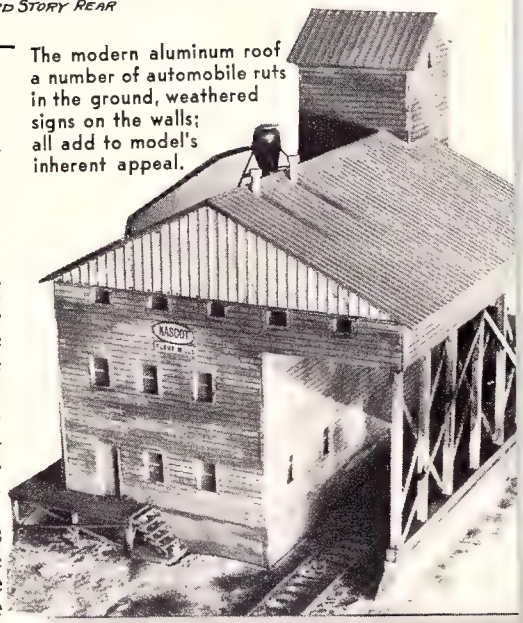
Location of duster on roof:—Measure 11'0" from top ridge and 22'0" from left edge of roof. Drill a three-sixteenth inch hole in the roof at this point and glue duster in place. Add the 3 x 3" bracing and 6" pipe, paint silver and that is the duster. The exhaust pipes are two sizes of dowels, which protrude about 3'0" above the roof, paint silver, drill holes to fit and glue exhausts (two) in place.

Fig. 8—Make up the support post and sway bracing according to dimensions, paint bottom strip concrete and the rest of the structure with brush wash.

Cut all posts exactly the same size first, then pin and glue the top and bottom strips to these posts, add the sway bracing and the other two strips at the bottom. This structure is the bracing under the third floor. Glue and pin it in location.

Fig. 9—Using the one-thirty-second inch thick scribed sheathing with a scribed spacing of one-sixteenth inch, cut out the top and bottom panels according to dimensions for the front, left and right sides. NOTE: The drawing shows the right side of the coal bin, the left side is identical only opposite hand. Cut the side posts to the proper lengths and glue them to the bottom panel first, then add the top panel and the rangers. Make up the front panel and glue all three (see corner detail) together. Cut a 12" thick floor piece to fit and glue in place. Add the rafters.

Fig. 10—Cut out the garage walls and make up according to detail. The top view drawing shows how the rear wall fits to the coal bin side walls. The inside garage wall glues to the rear post, cross tie and floor of the coal bin. Paint with brush wash, use a little black paint on front and sides.



The modern aluminum roof a number of automobile ruts in the ground, weathered signs on the walls; all add to model's inherent appeal.

old time GRAIN MILL

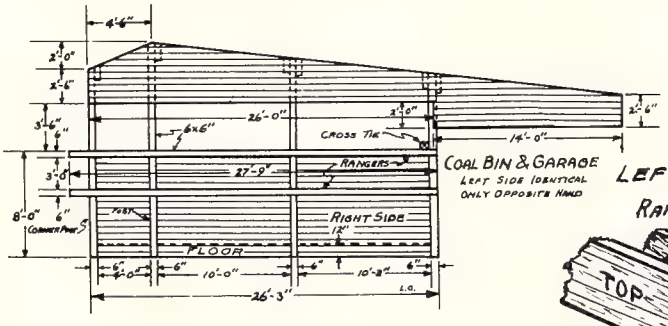


Fig. 10

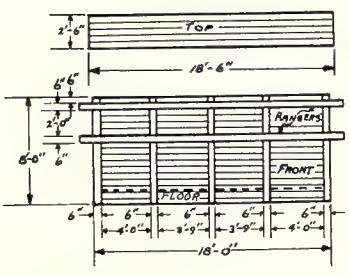
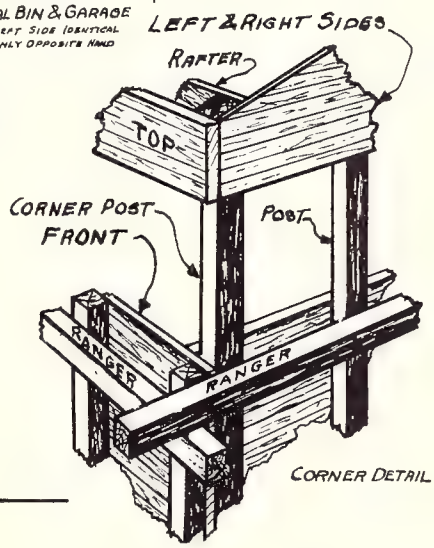
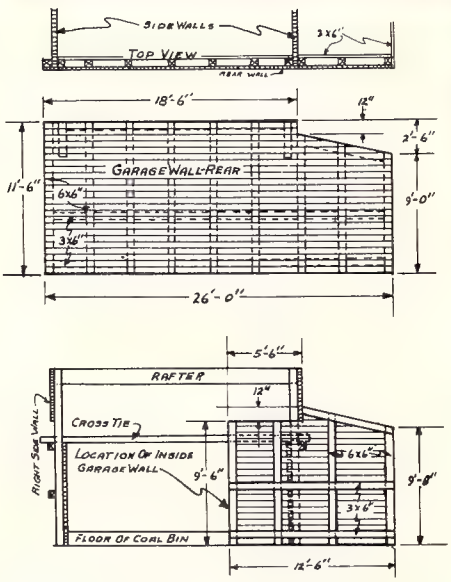
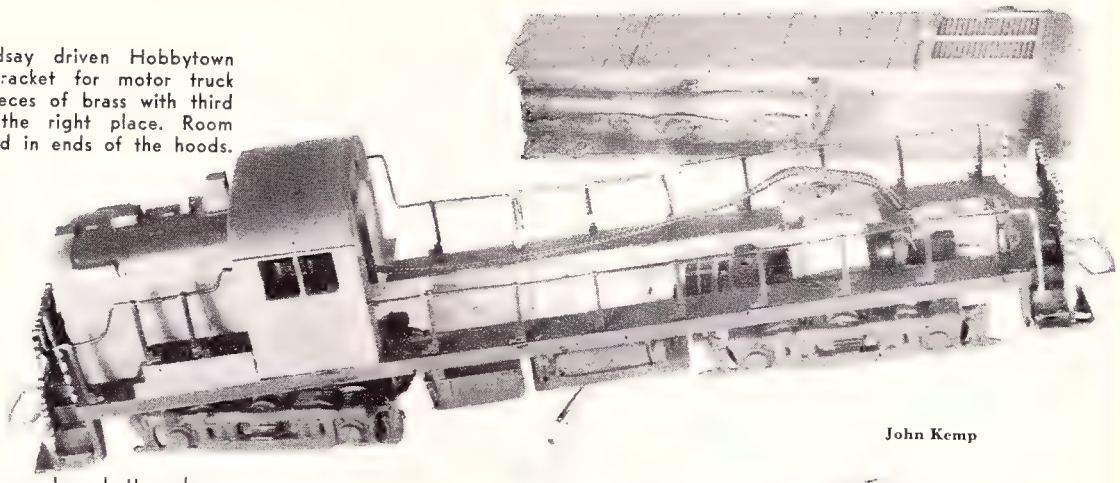


Fig. 9



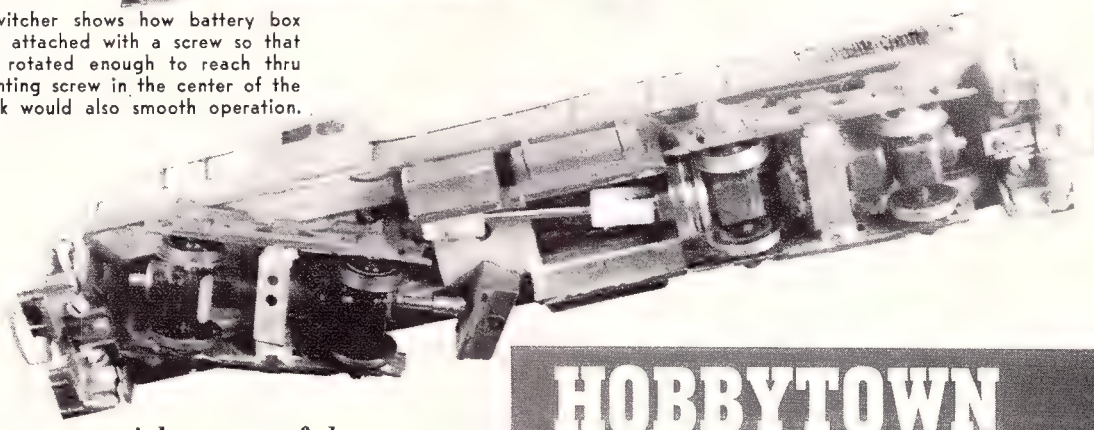
CORNER DETAIL





Top view of author's Lindsay driven Hobbytown switcher shows mounting bracket for motor truck formed of two L shaped pieces of brass with third piece soldered in exactly the right place. Room for additional weight is found in ends of the hoods.

John Kemp



Underside of road switcher shows how battery box must be removed and attached with a screw so that geared truck can be rotated enough to reach thru to superstructure mounting screw in the center of the cab. Flywheel on truck would also smooth operation.

HOBBYTOWN SWITCHER LINDSAY POWER

Diesel operators can pick up useful hints that will produce better operation in any diesel model. Here's how the popular Hobbytown unit was powered with a Lindsay 8-wheel drive.

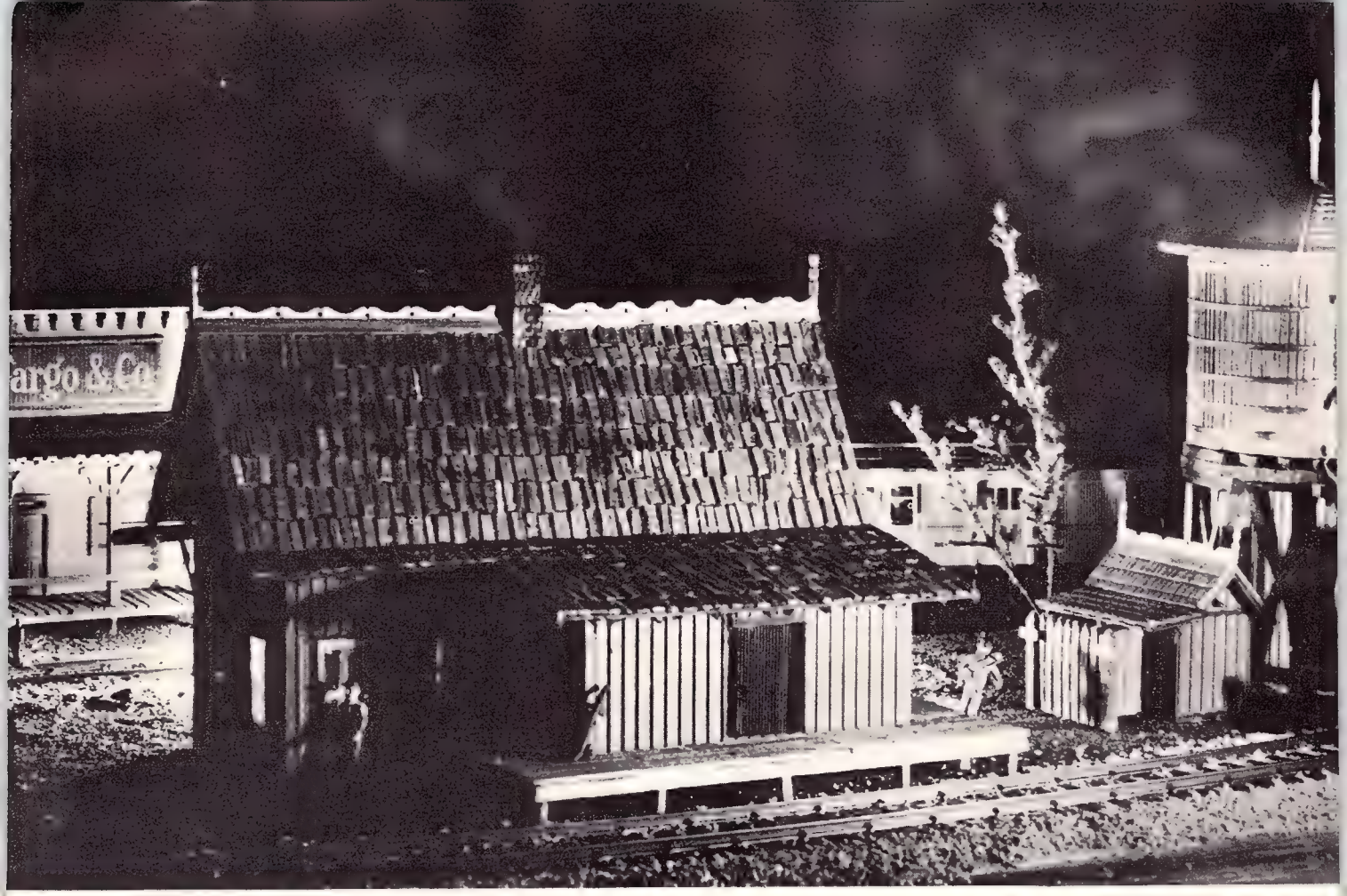
by John Kemp

BECAUSE I like Lindsay powered units so much, I decided to see how a Hobbytown diesel road-switcher could be changed over to Lindsay drive. Starting with a Hobbytown non-powered kit, I cut out the cross-bar in the frame on the front (long) end to which the original power truck was to mount, since the Lindsay power truck would sit up in that space. Next I bent two pices of brass about ½" wide to an L shape and secured them to the underpart of the walkways by two 2-56 machine screws each. Between these I placed another piece of brass with a No. 42 hole in the center to clear the 2-56 pivot screw of the Lindsay truck. This square of brass could then be slid around and be soldered and resoldered to get the power truck in the correct location, height, etc.

To furnish eight wheel drive, I obtained directly from Lindsay, a geared truck at $5.95 and a universal coupling. The geared truck was mounted to the back (short) end of the diesel in the usual way and the universal coupling installed. To keep that universal coupling from dropping out and getting lost — insert it, then loosen set-screw on one nylon coupling socket and push socket all the way out, as far as the jack-shaft on the truck will let it go. When the trucks are both in line, there should be a maximum of 1/16" of play back and forth in this shaft, less if possible.

The joker in mounting the geared truck on this classy looking engine, whether you power it with Lindsay parts as I did or with the regular Hobbytown parts, is to tighten the single screw that holds on the superstructure. It is right over the rear geared (or slave) truck! How do you reach the screw-head with the truck gearbox in the way? Here is the secret: notice on the underneath photo how one of the boxes on the side is turned at an angle? Well, before you do any cutting drill up through this box No. 50, then cut it off close to the floor with a jewelers' saw. Open up the hole in the box to No. 42, and tap out the remaining No. 50 hole in the floor. Then you can secure the box to the floor with a 2-56 screw. The screw may be countersunk into the sloping underside of the box so that it does not show its head. Then to tighten the screw which holds on the superstructure after first assembling the motor and geared truck as per these or Hobbytown's directions, remove or twist to one side the little box as shown in the photo. This will let you rotate the geared truck just enough to slip a screwdriver up between gearbox and side-frame of the truck and rotate the screw, which of course had best be put in its hole before you mount the geared truck. When superstructure is tight, hook up the universal coupling again, and tighten down on the little box and you are ready to run.

As with all road switchers that I have from time to time similarly twin-powered — GP-7, Lindsay, Red Ball, and Kemtron — I found that weight had to be added to secure enough traction to pull a good train. Accordingly I stuck a good wad of lead in the back of the front hood about where Hobbytown would have mounted their motors. Thus weighted the unit runs like nobody's business, really a bit faster than it should, and pulls very well.


argo & Co

The photographer had to lug his cumbersome plate back camera high up on a hill to get this overall scene showing the new depot being built. Girl sunbather has not as yet caught the eye of the town marshall busy watching the workmen going about their tasks on the new railroad depot.

the ELIZABETH VALLEY RR

E. L. Moore has packed plenty of action and interest into his compact and well executed HO Elizabeth Valley Railroad.

The romance of the rails is keenly felt in this night scene on the HO Elizabeth Valley Railroad of E. L. Moore, of Charlotte, North Carolina. The freight depot is momentarily quiet as switcher shunts cars around the various sidings nearby.

Another excellent camera study showing the blacksmith shop with forge fire inside plenty hot for the task of making a shoe for the horse that Flexible Fred is working on outside. We like the horse at the trough and the gentlemen of leisure basking in the warmth of the bonfire.

Daytime view of depot shows plenty of activity. Job of putting on individual shingles takes time, attracts plenty of comments as does the fine gingerbread.

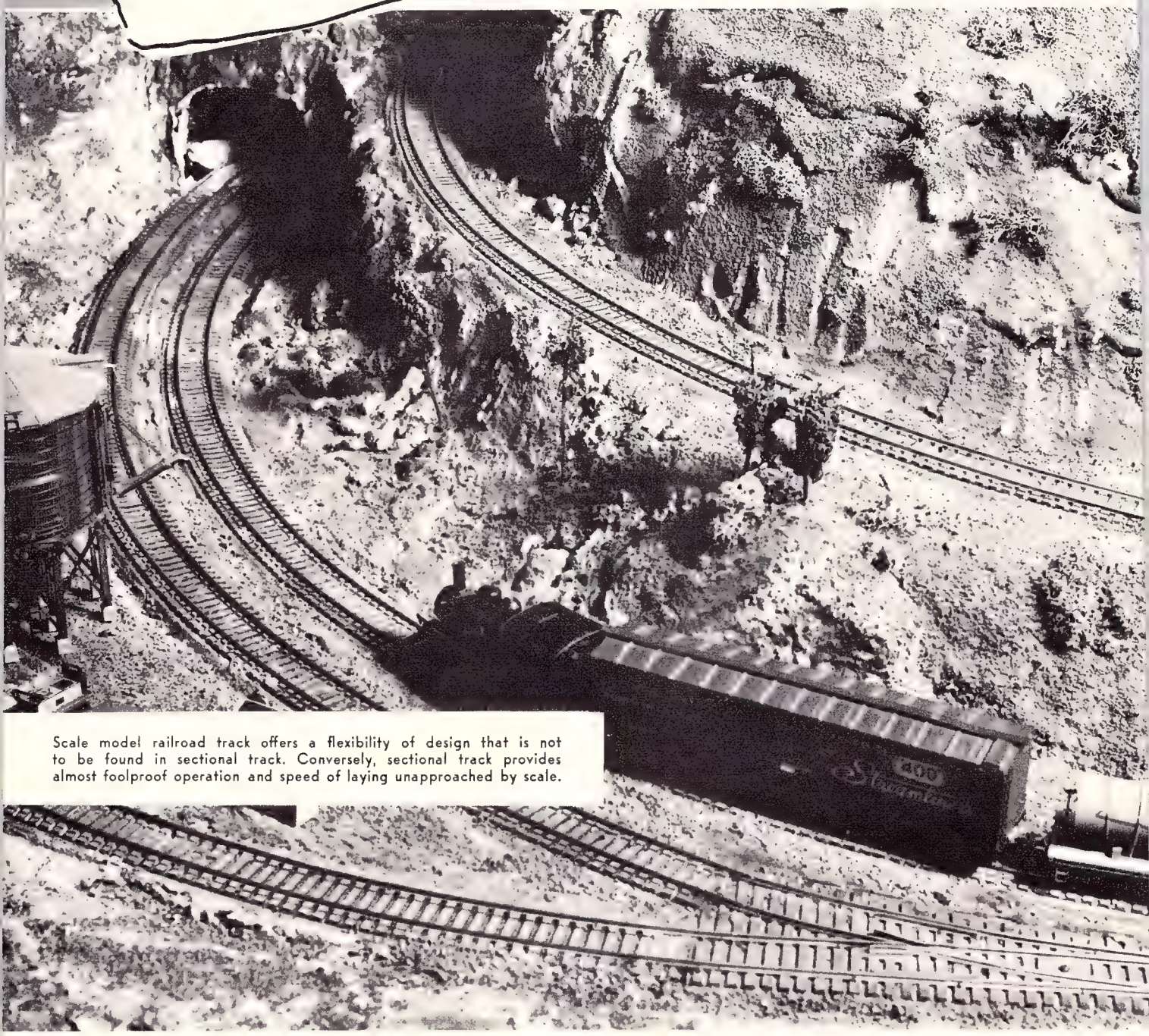
photos by E. L. Moore

How To Build a Model Railroad *

* Based on the original book by the late Harold V. Loose, former managing editor of *Model Craftsman*, and completely revised and edited by Harold H. Carstens.

track laying

The modeler has a wide choice of track materials to choose from. Which ones to use and how to use them are of the utmost importance since every model railroad is only as good as its trackwork.



Scale model railroad track offers a flexibility of design that is not to be found in sectional track. Conversely, sectional track provides almost foolproof operation and speed of laying unapproached by scale.

Staff photos

CHAPTER IV

IF YOU asked an even hundred model railroaders what part of their hobby gives them the most enjoyment, the chances are that a good many of them would say, *"Laying track."* The others would be apt to remark that this phase of model railroading is too tedious for their tastes. This diversity of opinion is due to the fact that many have never learned the little secrets that make model track laying enjoyable.

The first of these "stunts" is a cardinal rule that should be lettered in big, black words and tacked over every miniature layout: "Don't do too much at once!" Track laying is a simple process of repetition, and, like anything else, it *can* be very monotonous if it is carried out in a continuous process, without time off for relaxation. The biggest mistake you can make, as a model railroader, is to design a track layout and then decide to drop all other phases of the hobby until you have the last spike laid. By the time half your rails are in place, you will be so sick of model railroading that the mere sight of a trolley line will bring inward pain.

Model railroad track is designed, like the cars and locomotives, to look as much as possible like the real thing. Certain concessions are made to cheapness, durability, and ease of laying, but they are not great enough to be noticeable. Rails are drawn from steel or brass to a shape closely resembling the real thing, and held down to the cross-ties with real, L-shaped spikes. Switches and crossings are built up from lengths of rail, or, in some cases are assembled from cast parts. The broken-stone ballast of the real track is reproduced with miniature gravel or, more often, simulated with slate-surfaced roofing paper.

The choice of material for the rail itself often puzzles beginners. Steel is the metal used by the real railroads, of course, and therefore it cannot help but be the most realistic. It is used to some extent in modeling, especially in O gauge, where its greater strength handles heavy loads with little wear through the years. Brass is much more popular, is easier to work with especially in making switches and crossings, and is easier to solder than steel. Perhaps its biggest advantage is freedom from rust, an important factor when dampness must be considered. Brass is sometimes offered in an oxidized form, being blackened by a chemical process. Rail is sometimes obtainable in aluminum, useful in larger gauges for outdoor work. Rails drawn from nickel silver are also now being made available in the smaller gauges and appears to be worth watching.

Many model lines operate from a third rail set to one side of the running rails. For O-gauge track, this rail is a brass miniature of the running rail (identical, in fact with OO or HO high rail) mounted on third-rail supports, (sometimes called "chairs").

Wooden ties, resembling the real ones in every way except the height, are used for all gauges. The ties are so cheap that it hardly pays the ordinary model railroader to make his own. However, the man who likes to work with wood-working machinery and who has a circular saw can turn out his own ties in quantity at very low cost.

In HO gauge, the popular way of laying track is with the use of "tie strips". These are lengths of black cardboard punched out to the shape of ladders. The "rungs" of the ladder are represented by the cross-ties, and the "uprights" of the ladder are little connecting pieces of cardboard between the ties, maintaining them the correct distance apart. These connecting strips are arranged so that they are underneath the rails of the finished track, and are therefore invisible. Tie strips of the same kind are available for other gauges, but have never attained the popularity that attended their introduction in HO. They are not quite as realistic as real wooden ties, but in the small sizes the difference is hardly noticeable. They make the laying of track much simpler than with separate ties, which would be difficult to handle in HO gauge. Similar O gauge ready-built track can also be had with wooden ties.

You can, if you wish, use separate wooden ties in the small gauges, but laying them is a rather tiresome job. Also, because the ties are so small, you will have trouble through splitting. For this reason, a soft wood is to be preferred for model-railroad cross ties. Roadbed of wood with ties milled in are also available in most of the popular gauges in a variety of radii and shapes.

More recently, there has been a trend in HO gauge toward use of tinplate type track sections using standard solid brass HO rail securely mounted to simulated wood plastic tie strip. They permit a builder to construct a basic scale model railroad in a matter of minutes rather than weeks and months. This sectional track is fully interchangeable with standard HO track.

After you have built a table or other support for your layout, you are ready to begin laying track. Ties generally are not mounted directly to the table, but to strips of bevel-edged wooden roadbed that elevate them slightly to give the effect of an embankment. This construction is shown in the drawings accompanying this chapter. Over this base board is fastened a strip of slate-surfaced roofing paper wide enough to lap over the edges slightly, and the ties are laid on top of the roofing material. The tiny particles of slate give a very good imitation of the crushed stone used on real railroads, and the individual pieces are not apt to flake off once the looser ones have come free, as they will when the paper is being handled

In gauges smaller than O, the roofing paper is a little too coarse to look good. Nevertheless, it is often used. Some model supply houses carry special strips of ballast paper made with a fine texture, and this is especially realistic. A material that has been used with success for HO-gauge track is another kind of roofing material—plain tar paper having a smooth surface and covered with a coating of fine mica. When this is in large sheets, it does not look especially suitable for the purpose but when the ties are laid over it, it makes a really effective ballast.

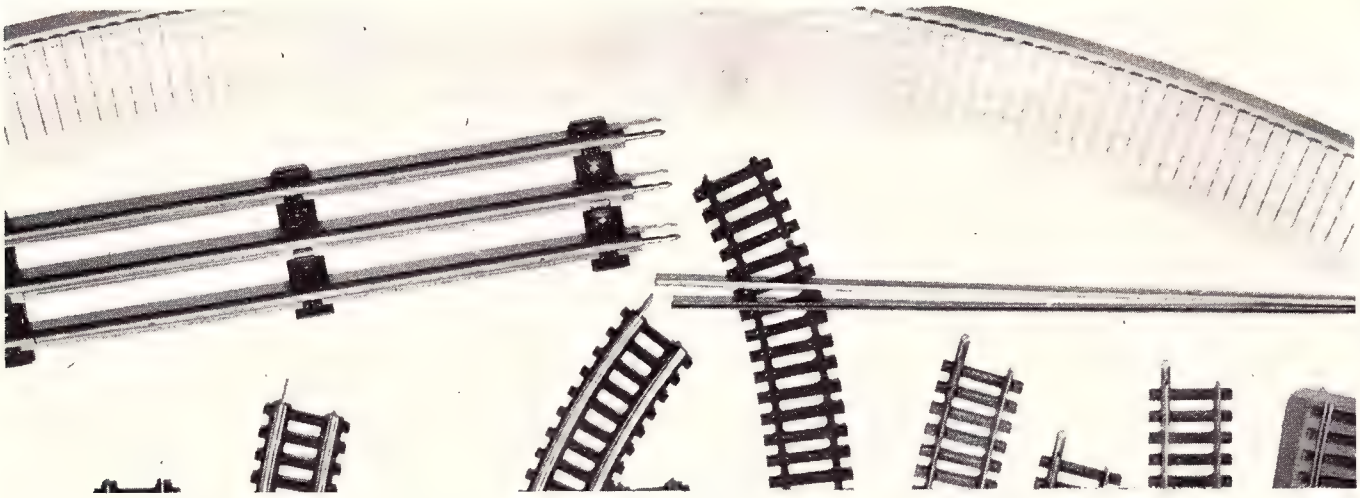
To many miniature railroaders, the idea of using ballast in sheet form does not hold sufficient appeal. These enthusiasts prefer to make their track a little more like the real thing, using crushed stone piled between the ties. Of course, loose gravel would be a nuisance on the layout, so the pieces are anchored down with an adhesive, usually water glass (sodium silicate). A modification of this idea is to use the beveled baseboard and cover it first with glue, then with a thin layer of crushed ballast. Specially prepared model railroad ballast is obtainable at most hobby shops. Modelers using direct current for power should avoid ballast which is magnetic, since small particles will be picked up by the permanent magnet of the locomotive motor, causing gear jamming and possible shorts and burned out motors.

Ties usually are made about half as thick, proportionately, as the real thing to give the effect of being buried in the ballast. Of course, when the model railroader uses actual loose ballast material, he makes his ties twice as thick as usual, since they actually are partly covered by the crushed rock.

To lay ties evenly, use a spacer made from a strip of wood the same thickness as the ties and fifty percent wider. This gives the spacing generally used on models, although a closer spacing is a little more realistic. Each tie is butted against a straight edge as shown in one of the drawings.

Curved track is a little more difficult but offers no great problems. Where preshaped commercial roadbed is used, there is hardly even need for plotting out a true radius for the curve but usually this is desirable since it eliminates any possibility of doglegs getting into your curves; doglegs being kinks in an otherwise true circle which could cause derailments due to truck or coupler bind.

For most purposes, the easiest way to lay curves is by means of a radius bar (trammel bar), a long wooden



Some of the more popular forms of model railroad track available are shown above. Most are available with minor variations in all gauges but HO gauge has by far the greatest variety from which to choose.

stick having a nail driven in it at one end and then marked off with different radii depending on the gauge of the builder. A pencil or crayon is inserted in a hole drilled into the stick at each given radii and as the radius bar is turned, an arc is drawn which becomes the center line of your track. In practise, it is easier to deduct or add an extra inch or so that your arc becomes either the inside or outside mark of your tie strip or rail. Where individual wooden ties are being laid, a frequent practice is to spike the rail down to ties about every 4 inches and then go back later, inserting the missing ties and lining them up by eye.

It is usual to lay a few feet of ties, then to put the rails over them. This is one of the things that keeps the job from becoming tedious. There are two ways of lining up straight rail, and both of them are illustrated. Perhaps the use of a wooden straight-edge is, on the whole, better for the average model builder. Lay one rail first, lining it up so that it is the right distance from the edges of the ties, then use a track gauge to lay the other rail the right distance from it. It is not necessary to put a spike on each side of both rails in every tie; about one-fourth this number of spikes is more than amply strong. One rarely sees a section of model track complete with all spikes for the simple reason that driving them in is a long and tiresome job. Inasmuch as the extra spikes are not needed, add to the expense of the layout, and would not be noticed, it seems foolish to insist on having them, and yet some of the finest model railroad layouts in the country do have four spikes in every tie and the finished trackwork is a joy to behold. Drive the spikes home with a good pair of long nosed pliers.

When laying track, it is esental that the two rails be properly spaced, one from the other, at every point along the track. To assure your track always being in proper gauge, a track gauge is used. Most track gauges are triangular in shape, having two notches on one side, and one on the other. This makes the gauge slightly wider on curves, which makes it easier for locomotives to get around. Use this type of track gauge with the wide end on the outside curve. If you employ it the other way around, the result will be just the opposite of what is desired.

When tie strips are used, track laying is much easier, because the connecting strips between the ties serve as a rough track gauge to aid in lining up the rails. The tie strips, as received from the manufacturers, cannot be bent around curves, but it is a simple matter to make them so this can be done. Just take a scissors and cut away the little conecting strips on the outside of the curve and fan out the strip to a perfect arc, parabola, or any other shape you please.

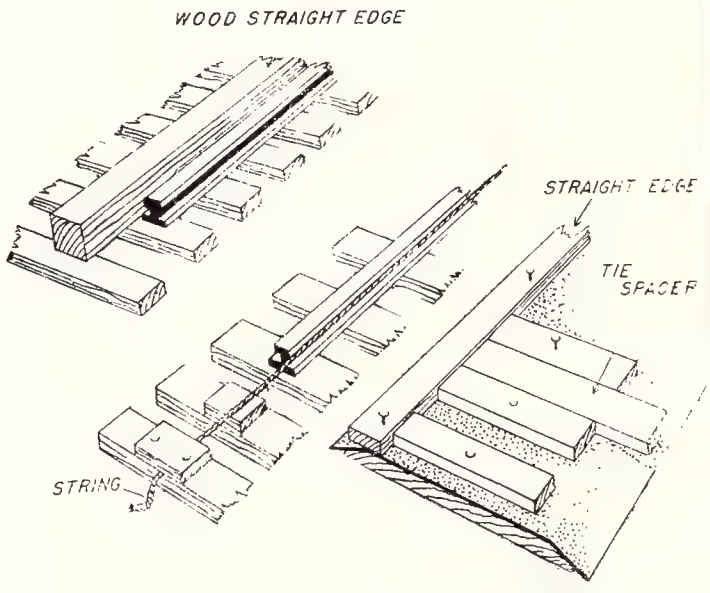
The use of tie strips is so easy, as a matter of fact, that it is likely to cause the model builder to be careless in laying his track. This carelessness has to be guarded against, as small errors in HO gauge trains will make a big difference in the running of the trains.

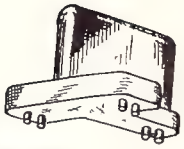
Joints in real railroad rails are made by bolting specially-shaped bars across the ends of the rails. This practice can be followed in larger models, but is a little impractical in O gauge or smaller. Instead, little U-shaped pieces of sheet metal are clipped over the bases of the rails where they meet, and pinched in with pliers. These clips hold the two ends of the rail in line, and also furnish an electrical circuit to carry the current from rail to rail. For trouble-free operation, however, they should not be depended on to carry the electricity adequately. Short lengths of copper wire should be soldered across the ends of the rails to serve as bonds.

This idea of bonding the rails is one that is copied from the real railroads. On electric lines, heavy stranded cables are used to carry the current from one rail to the next. Steam railroads use track bonds, too, in order to connect adjacent rails for block signalling. In this case, the bonds are much lighter, as they do not need to carry such a high amperage (amount of current).

Third rail is easy to lay when commercial chairs are used. Track gauges are available which, beside showing the rail spacing, provide a means for locating the third rail at the proper distance from the track. A support is placed every seven or eight ties. The ties that carry the chairs are made longer for this purpose. Most supports are arranged so the third rail can be fastened tightly in

To lay track really straight, you have to guide the rails with strip wood or taut cord. Get one rail true before laying the second. Ties are laid in similar fashion, with spacers used between ties to space.





track laying

place by pinching the sides of the support inward with a pair of pliers. On some types, however, it is desirable to fasten the rails down with solder.

These third-rail bearers are, surprisingly enough, one of the most expensive parts of the track. Where economy is an important factor, you can lay good third rail by driving woodscrews at the proper distance beside the track, and soldering 1/16" square brass rod to the top of the screws.

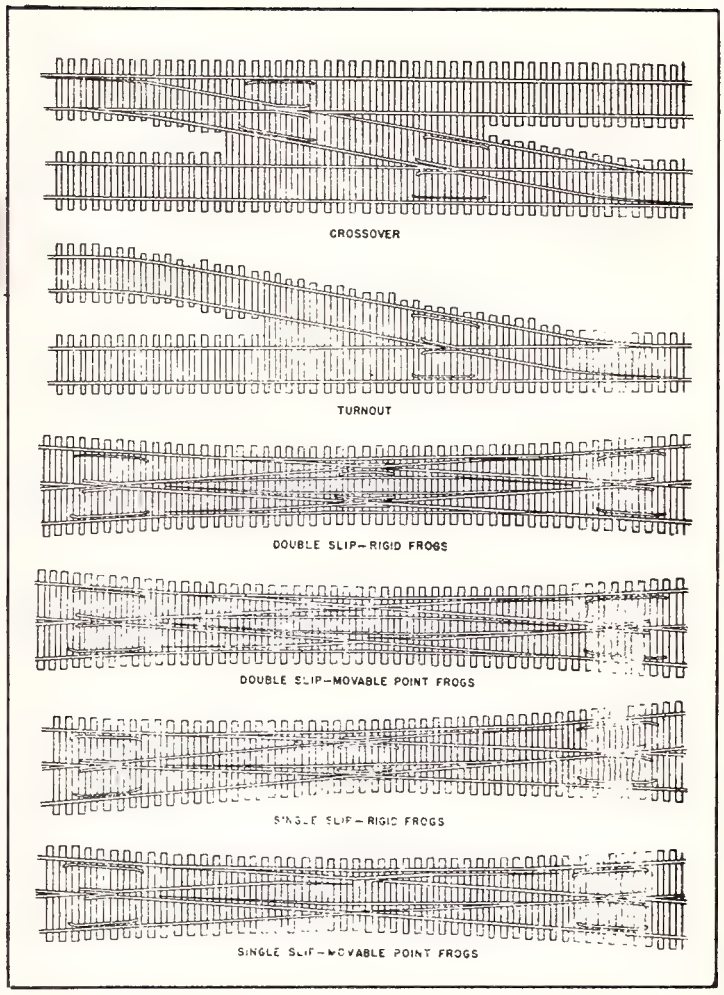
Where one track branches off into two different routes, the track construction that is needed is called a switch. Switches add a lot of interest to the operation of a model line, and you will need at least several of them on your layout. They can be purchased in ready-built form, but are easy to make, being one of the most interesting parts of track construction.

Real railroad switches are laid out in a complicated system that classifies the different turnouts according to the angle at the frog. The same method has been applied to model railroading, but is unnecessary, because it is a good deal easier to lay switches out according to the radius of the curved part.

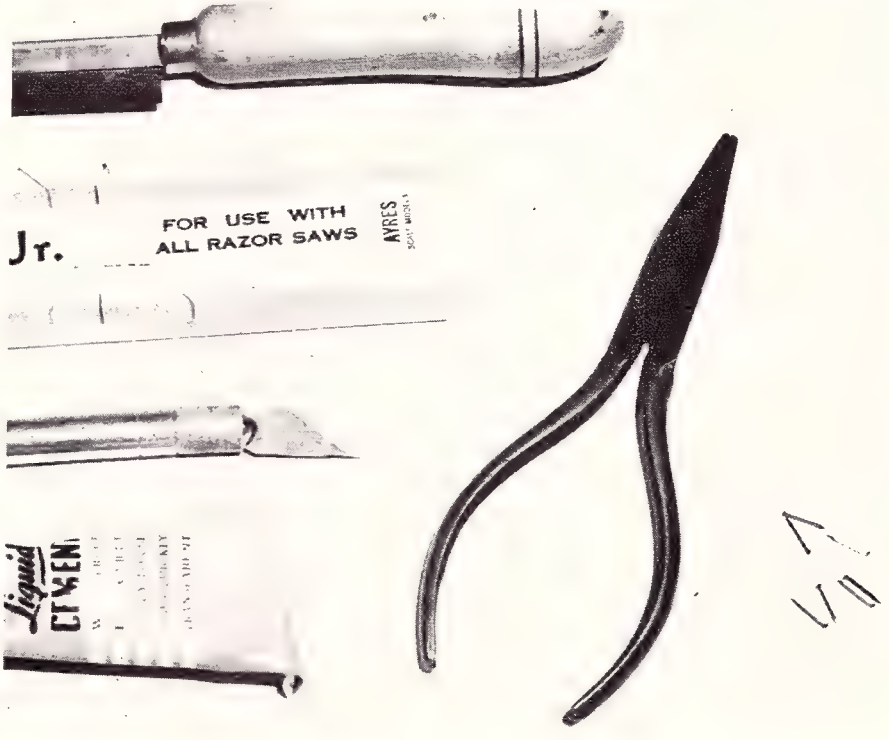
The best way to learn switch construction is to familiarize yourself with the different parts by studying the drawings in this chapter.

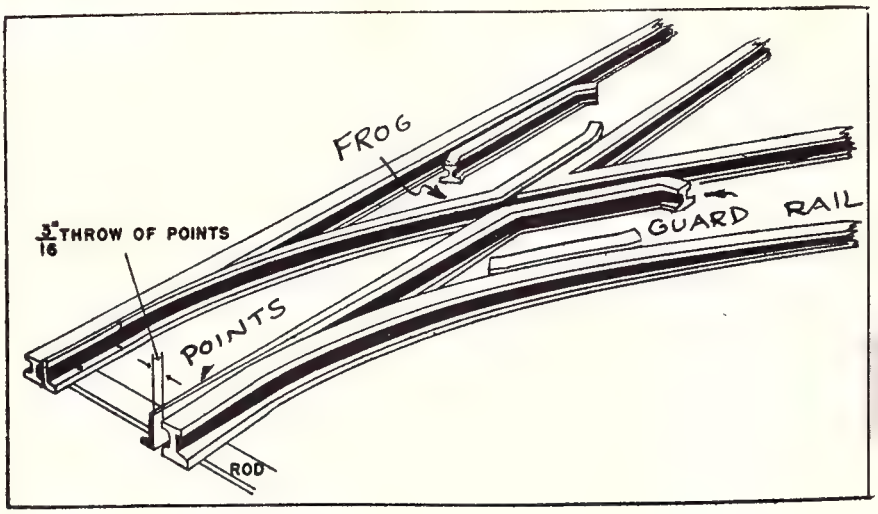
To build a switch, you will want a full-size drawing of it on which you can cut and bend the parts to fit. Drawings are available for some switches, but you will have to make most of them yourself. Instead of a compass, use a strip of wood for a trammel as described under track laying putting a pencil through one end and a point at the other. Mark off the arcs that will form the curved part of the switch, then draw in the straight part. When you have this much, it is surprising how easily the rest of the switch is drawn. If you follow the drawings given here, you can hardly go wrong. The full-size drawing can be made either on paper or directly on the piece of wood that is to hold the switch. In the latter case, you can spike the ties directly over the pencil lines, and lay your rails above this.

Spike down the straight rail of the switch, then the curved rail, and make the frog point. This is easily constructed by filing the ends of two rails to shape and soldering them together. The joint can be reinforced further by putting a little metal pin through it. Next make the other two rails forming the frog, and install them carefully. The switch points are a simple matter of filing, and they can be hinged in any of several ways. The simplest method is to saw the points off from the switch frog with a razor saw, nick the rail base to a slight wing shape and rejoin the pieces with brass rail joiners. Sometimes bits of phosphor bronze wire are used as a flexible joint, and in HO gauge, a frequent practice is to leave the points and frogs as one long rail piece and depend upon the flex-



These are the most needed materials for track laying and include: a fine nosed pliers for driving home spikes, miniature railroad spikes with offset head, brads for nailing roadbed pieces into position.





Typical model railroad switch is shown at left with important parts indicated. Most common device to activate switch is a twin solenoid operated by remote control from panelboard.

track laying

ibility of the brass rail to provide sufficient play. While switches can be built up entirely from stock rail, some modelers prefer to use cast or milled brass frogs, which are sold at hobby shops for a nominal sum.

If you plan to operate a great deal of foreign equipment on your model railroad (equipment belonging to friends), it's best to make your switches as standard as possible, sticking to No. 6 switches or larger. Where your layout is small and every inch counts, you will have to make use of small radius switches such as a No. 3 or No. 4. Long 80 ft. passenger cars should be operated on No. 6 switches or larger, since their length may cause coupler bind as they pass through.

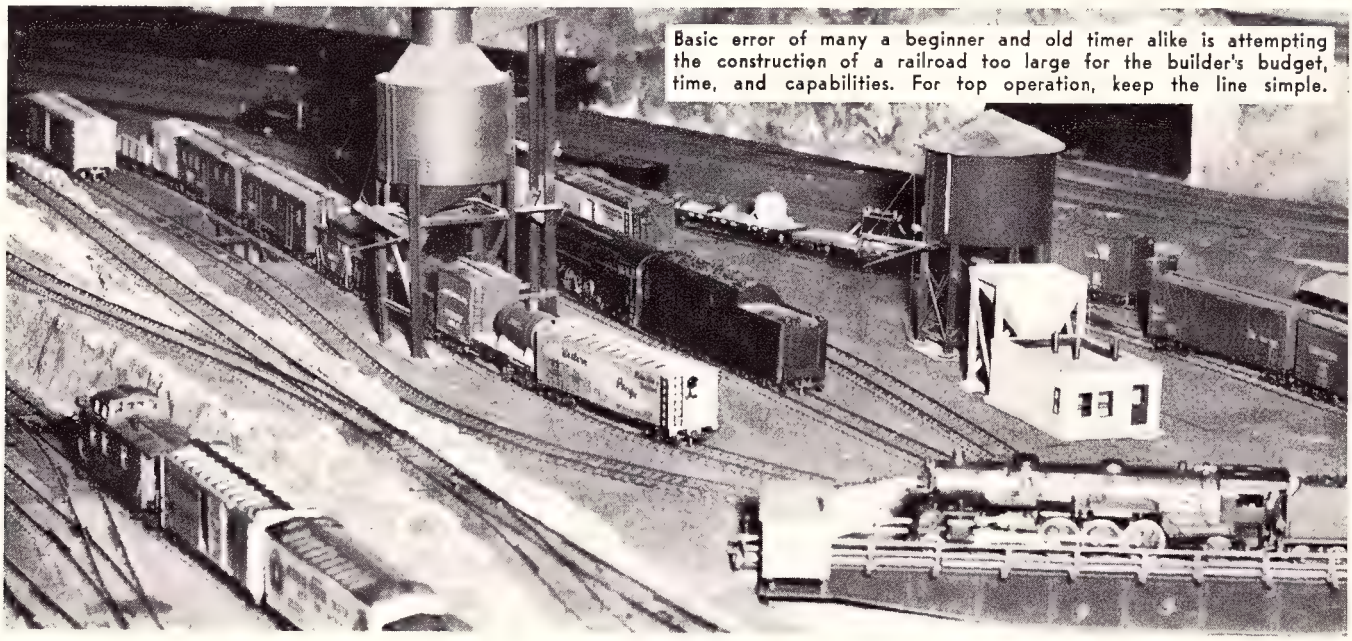
Standard switch construction as described here is based on the use of standardized wheels. If the size of the flange varies appreciably from the standards as shown elsewhere in this book, the locomotives and cars will not operate satisfactorily. Where trains of the tinplate variety are used in connection with scale models, it is usual to reduce the size of their wheel flanges to match, but sometimes this is undesirable, and the switches must be made differently in order that all types of wheels may pass through satisfactorily. A switch of this type is shown in one of the illustrations. It is not as realistic as the usual kind, but it will assure trouble-free operation when wheels of different flange dimensions are used on the same track.

When a pair of switches forms a connecting link between two parallel tracks, the combination is called a crossover. This word is often used incorrectly, for the place where one track crosses another at an angle. Properly, this is known as a crossing. The cross-over is a formation found frequently on real railroads, and your modle will require at least one or two. A still more complicated arrangement is formed when two crossovers, at opposite angles, are combined. It is called a double-scissors crossover. The most complex track formation of all is called a slip switch. It is really an acute-angle crossing, but also combines the function of a switch, so that trains can be turned from one track to the rails it crosses. This is explained in one of the drawings. Slip switches are hard to make in model form, and still harder to adjust so they work properly. Most active model railroaders shun this track formation for these reasons. If you plan to make this type of switch, remember that you will have to combine patience and accuracy in every step. Otherwise the result is likely to be a failure.

Several companies now offer many of these special switches and crossovers commercially and they do their work well. They are especially useful when it is necessary to get a lot of switches into a small compact area, as in a yard or terminal.

Once you have learned to make a switch, crossings will hold no terrors for you. Here again, a full-size drawing is what you will need to make the parts accurately.

All trackwork requires a certain amount of care and neatness if the finished railroad is to be permanently satisfactory. Nothing is more annoying than an uneven, bumpy, out-of-gauge track, and no one thing can contribute as much to the enjoyment of your model railroading as smooth, well-laid rails.



Basic error of many a beginner and old timer alike is attempting the construction of a railroad too large for the builder's budget, time, and capabilities. For top operation, keep the line simple.

Form 7A

SPECIAL OFFER ON THIS TICKET SHOULD BE USED IMMEDIATELY TO INSURE GREATEST SAVINGS

ISSUED BY

RAILROAD MODEL CRAFTSMAN

RAMSEY 10 • NEW JERSEY

Special Reduced Rate Ticket

REGULAR SUBSCRIPTION PRICE—$5.00 per year

SPECIAL PRICES FOR THE WINTER SEASON

	per year
Subscriptions postmarked during November,	$3.00
Subscriptions postmarked during December,	3.50
Subscriptions postmarked during January,	4.00
Subscriptions postmarked during February,	4.50
Subscriptions postmarked March '55 or later,	5.00

Save Money By Mailing Your Order Now

Orders for one, two or three years accepted at above "per year" rates.

Signature of RAILROAD MODEL CRAFTSMAN REPRESENTATIVE

(Ticket valid only if signed)

To MAIN STREET USA — No Baggage Needed ★

Issued by Railroad Model Craftsman

See the leading model railroads of the USA and take conducted tours over the lines to see just how they operate and how these railroads were built.

★ For Entire Family ★

To TINPLATE CENTER — No Baggage Needed ★

Issued by Railroad Model Craftsman

Learn the latest model building hints in a special department for tinplate enthusiasts. Full of ideas to help you have more railroading fun.

★ For Entire Family ★

To BETTER LAYOUTS — No Baggage Needed ★

Issued by Railroad Model Craftsman

Bill Schopp will conduct this section of your tour and will acquaint you with the latest layout plans. He'll also include building and wiring data.

★ For Entire Family ★

To BUILDING PROJECTS — No Baggage Needed ★

Issued by Railroad Model Craftsman

Get all types of easy-to-build projects for use on your model railroad. Plans, pictures and step-by-step building ideas so you can build 'em yourself.

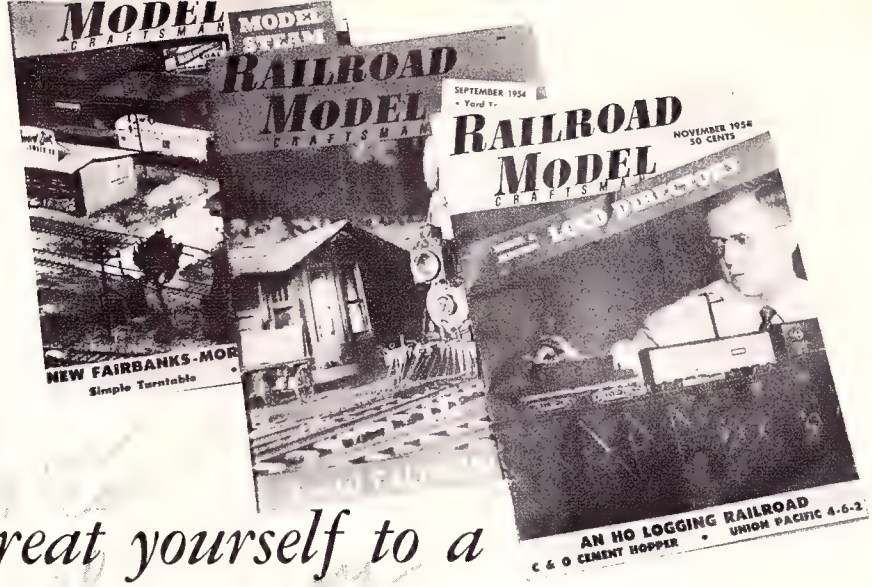
★ For Entire Family ★

To SWAPPERS COLUMN — No Baggage Needed ★

Issued by Railroad Model Craftsman

A readers exchange section that costs you nothing! All types of model railroad supplies and equipment offered for sale, to buy or for trade.

★ For Entire Family ★



treat yourself to a

. . . full year of MODEL RAILROADING PLEASURE

Railroad Model Craftsman is a lavish magazine devoted entirely to the model railroad hobby. Now combined with your old favorite, Toy Trains magazine, it is published each month for fellows just like yourself who want to get the latest information on our hobby. Each of the twelve combined issues produced in a year are chock full, from cover to cover, with all types of building, operating and maintenance projects that you can't afford to miss! More than 800 fact-filled pages in twelve issues! That's right, you can save up to $9.00 on a three year subscription! To have the next 12, 24 or 36 issues of Railroad Model Craftsman delivered right to your door each month, simply use the money saving coupon below—it's your ticket to countless hours of model railroading fun.

Here's what you get by subscribing: The next twelve, twenty-four or thirty-six issues of the combined Railroad Model Craftsman-Toy Trains delivered right to your door each month, as soon as they are published. You eliminate all those trips to the news stand in search of the latest copy and you save money in the bargain—up to $9.00 on a three year order. A subscription to "RMC" is your ticket to a successful model railroad empire. In the more than 800 fact-filled pages included in a year's edition, you'll find a tremendous selection of building projects to fill your every need. You'll glean new operating ideas . . . the latest maintenance information . . . new wiring methods and layout hints. Each issue contains building short-cuts . . . a review of new products . . . pictures and plans galore plus a special tinplate section. RMC is truly must reading for the serious model railroad enthusiast. You'll enjoy the many regular departments found in each issue: Dispatchers Report, Free Swappers Column, Narrow Gauge Junction, and a Letters-to-the-Editors Column. By subscribing you'll feel personally acquainted with fellows who prepare the material which goes into each issue of Railroad Model Craftsman. Fellows just like yourself who have many years of model railroading know-how. Men who are particularly experienced in the one particular phase of our hobby, which they describe in our editorial columns. RMC is truly must reading for the serious model railroad enthusiast so climb aboard—send in your subscription order today.

Please print your name and address clearly and allow six weeks for your new subscription to start. You will then receive Railroad Model Craftsman promptly each month, all copies delivered right to your mail box and each one protected by a heavy envelope to guarantee you a perfect copy. Mail the coupon, with your remittance, to:

MODEL RAILROAD CRAFTSMAN
Ramsey New Jersey

SEND YOUR ORDER TODAY

RAILROAD MODEL CRAFTSMAN

RAMSEY 10, NEW JERSEY

Date.....

Please enter my subscription to RAILROAD MODEL CRAFTSMAN starting with the next possible issue. Enclosed is my remittance of $..... for

☐ One year 12 copies; ☐ Two years 24 copies; ☐ Three years 36 copies. Send "RMC" promptly each month to:

RATE SCHEDULE—per year

November orders	$3.00
December orders	3.50
January '55 orders	4.00
February '55 orders	4.50
March and later	5.00

Name.....

Address.....

City and State.....

NOTE: *Please add 50c per year to orders outside of the USA or Canada.*

RMC staff photos, prototype photo from SPRR.

AUTOMOBILE CAR

FOR those modelers who like old time cars, the Southern Pacific 50 ft. wood automobile car should prove of interest. Read class A-50-6, the prototype was built in 1923. Our model was built from the original Espee plans using Northeastern Scale Models wood and special shapes which is available at most hobby shops. If the builder chooses, he can substitute brass sheet and brass shapes or he can use scribed cardboard for the sides with wooden bracing. The drawings are shown full size for HO gauge so that most of you will be able to merely trace the various parts and take dimensions directly from the plans. If you work in one of the other gauges, save yourself a lot of time and needless computation by having the plans photostated to the correct size for your own gauge.

Starting The Body

Construction is started by cutting 3/32" thick wood sheet for flooring, making sure that the ends and sides are square. It's essential that all uuts involving fitting be cut accurately as otherwise a sloppy looking model will result. Use a good sharp modeler's knife such as X-Acto and make sure that your razor saw has a good blade. Replacements can be purchased at most hobby shops. Use Northeastern overhanging freight car roof section and also cut to same length as the floor.

The sub ends and braces are cut from 3/32" thick wood sheet and together with the roof, floor, and sub ends; are formed into a four sided box. When these parts are dry, cement the four braces between the floor and roof of the box assembly and let dry. Make sure the braces are even flush with the side and roof.

Make the sides from 1/32" sheet wood scribed 1/16" apart. This material is available at hobby shops and can't be beat for accuracy, neatness, and time saving. Cement the sides to the braces, floor, and ends, so that the top edge of the sides are pressed under the top edge of the roof. When the cement on the assembly has set firmly, sand the bottom of the sides so that they are perfectly even with the floor. The ends of the sides should be even with the end section.

Finished ends are made from 1/32" sheet wood scribed 1/16". These ends are cemented to the car assembly so that the ends are flush with the bottom of the car floor and sides. When dry, sand the ends to fit roof contour.

Lay out the bottom of the car floor for the underframe, which consists of side and end sills, bolsters, center sill, and cross braces. Cut the center sill from ¼" x 5/16" strip wood and cement to bottom of car floor. The sill must be centered accurately. Cut two bolsters from ⅛" x ¼" thick strip wood and shape as in the drawing. Before cementing the bolsters, drill a No. 50 hole in the center of each bolster for truck screws. Mount bolsters in place as shown in bottom view of drawing. Side sills are next and are cut from 1/32" x 3/32" strip wood. Cement the side sills in place, making sure that they are flush with the car sides and ends. Cut the end sills from the same material and cement to the car floor, making sure they are flush with the car ends. Cut 6 crossbraces "A" from 1/32" sheet wood, as well as 4 crossbraces "B" from the same material. Cement these to the car floor, between the center sill and side sill as shown in bottom view drawing. Cement the air brake system in place also, as shown in bottom view.

Body Detail

Mark the location of the doors on the car sides. The small door 15/32" wide and the large door 1-1/32" wide. Check the side view drawing for the door location. Cut the doors from 1/16" sheet wood scribed 1/16". Mark the location for the door fittings. Cement the doors to the car sides and let dry. Cut 2 door parts "D" from 1/32" x 1/16" strip wood. From index card material, cut 2 small and 2 large door parts "C" 1/32" wide. Cement

Bulky ladings come naturally to husky auto cars such as the hefty beauty shown here that draws much of it's appeal from it's wood construction.

by G. A. Stehle

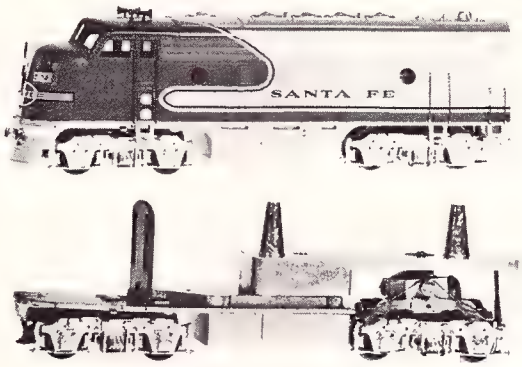
these parts to car doors as shown on side view drawing, and then let dry.

Cut 4 corner posts from 1/16" wood angles to length and cement to car corners. Cut 14 side posts from 1/16" wood zee bar material the same length as the wood corner posts. Cement to uar sides as shown on side view drawing. Cut 14 diagonal side braces "B" from the same material. It will be necessary to trim both ends of the diagonal side braces so that they will butt neatly between the corner posts and the side posts. Cement in place. Cut 2 top door guide posts from index card material 1/32" wide .The guides extend from the first post on the left hand side of the car and between the first and second post on the right hand side. See side view. Cement in place and let dry. Cut 8 door rollers from 1/8" wood channel and cement in place. Next make bottom door guides and door handles from No. 26 steel or brass wire, which are mounted by drilling No. 6 drill hole. See side view drawing for proper location.

Roof Detail

Cut roof end parts from 1/16" square strip wood and cement to car ends. Trim the ends so that they butt together with the contour of the roof and make sure they are flush with the roof top. The roof walk can be a

POWER FOR YOUR GLOBE DIESEL



$9.95

COMPLETE KIT TO POWER YOUR GLOBE DIESEL. FITS EITHER "A" OR "B" UNITS.

- QUICK, SIMPLE ASSEMBLY
- AMPLE WEIGHT
- LOW COST
- TOP PERFORMANCE WITH QUALITY LINDSAY POWER

LINDSAY PRODUCTS INC. 5645 SELMARAINE DR. • CULVER CITY, CALIF.

Tru-Scale Scenic Surroundings

Premium Norwegian

LIKEN

(IMPORTED REINDEER MOSS)

New

GIANT

Box . . .

only 98¢

Green or Assorted Colors.

Scenic your model railroad pike with this most versatile and natural appearing of all landscaping materials. Imported from the "Land of the midnight sun"—TRU-SCALE contracts for the harvest of only the choicest quality Norwegian lichen. Our secret "ever-fresh" processing is the answer to perfect, long-lasting, life-like miniature reproductions of all types of trees, bushes, shrubs, plants, hedges, vines, etc. Each box is supplied with illustrated instructions.

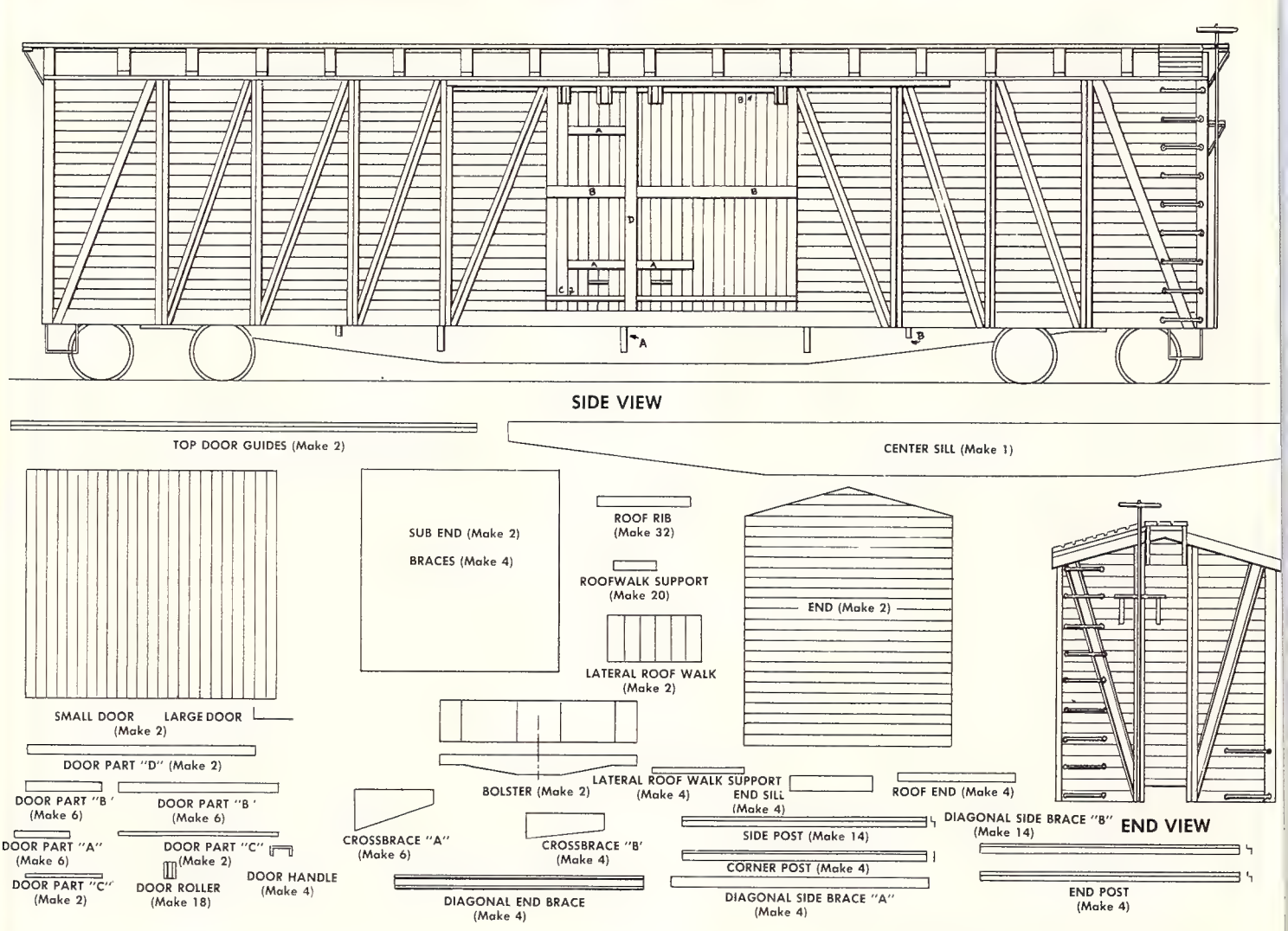
For the "LIFE" of your pike!

See the COMPLETE QUALITY LINE of realistic TRU-SCALE SCENIC SURROUNDINGS
Trees, hedge, plants, bushes, climbers, ornamental flowers, imitation grass and earth, landscape kits, landscape background scenes.

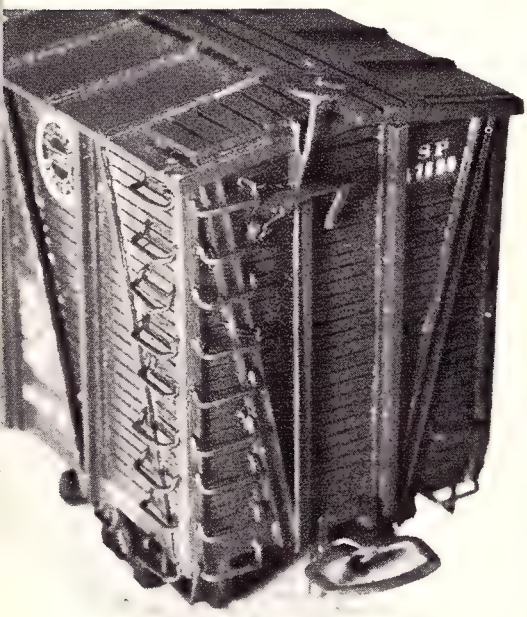
Write for FREE illustrated folder. AT YOUR DEALERS.

Tru-Scale Models

SAN DIMAS CALIFORNIA


SIDE VIEW
TOP DOOR GUIDES (Make 2)
CENTER SILL (Make 1)
SUB END (Make 2)
BRACES (Make 4)
ROOF RIB (Make 32)
ROOFWALK SUPPORT (Make 20)
LATERAL ROOF WALK (Make 2)
END (Make 2)
SMALL DOOR
LARGE DOOR
(Make 2)
DOOR PART "D" (Make 2)
DOOR PART "B" (Make 6)
DOOR PART "B" (Make 6)
DOOR PART "A" (Make 6)
DOOR PART "C" (Make 2)
DOOR PART "C" (Make 2)
DOOR ROLLER (Make 18)
DOOR HANDLE (Make 4)
BOLSTER (Make 2)
LATERAL ROOF WALK SUPPORT (Make 4)
END SILL (Make 4)
ROOF END (Make 4)
CROSSBRACE "A" (Make 6)
CROSSBRACE "B" (Make 4)
SIDE POST (Make 14)
DIAGONAL SIDE BRACE "B" (Make 14)
CORNER POST (Make 4)
DIAGONAL END BRACE (Make 4)
DIAGONAL SIDE BRACE "A" (Make 4)
END VIEW
END POST (Make 4)

There's plenty of detail shown in this end view. Note use of Northeastern No. 1 preformed grabirons. The trick in mounting these evenly, is to predrill No. 76 holes in wood before inserting grabirons.



commercial section or built up from 1/32" wood strips. 20 roof walk supports 1/32" x 1/16" are cut next and located as shown on plan. Cement in place, properly centered. Cut 32 roof ribs from 1/32" x 1/16" strip wood and cement in place as shown in side view drawing. The 2 laterial end walks are cut from 1/32" sheet wood, scribed into 6 equal pieces. Cement 2 supports to the bottom of the end walks and cement in place as shsown.

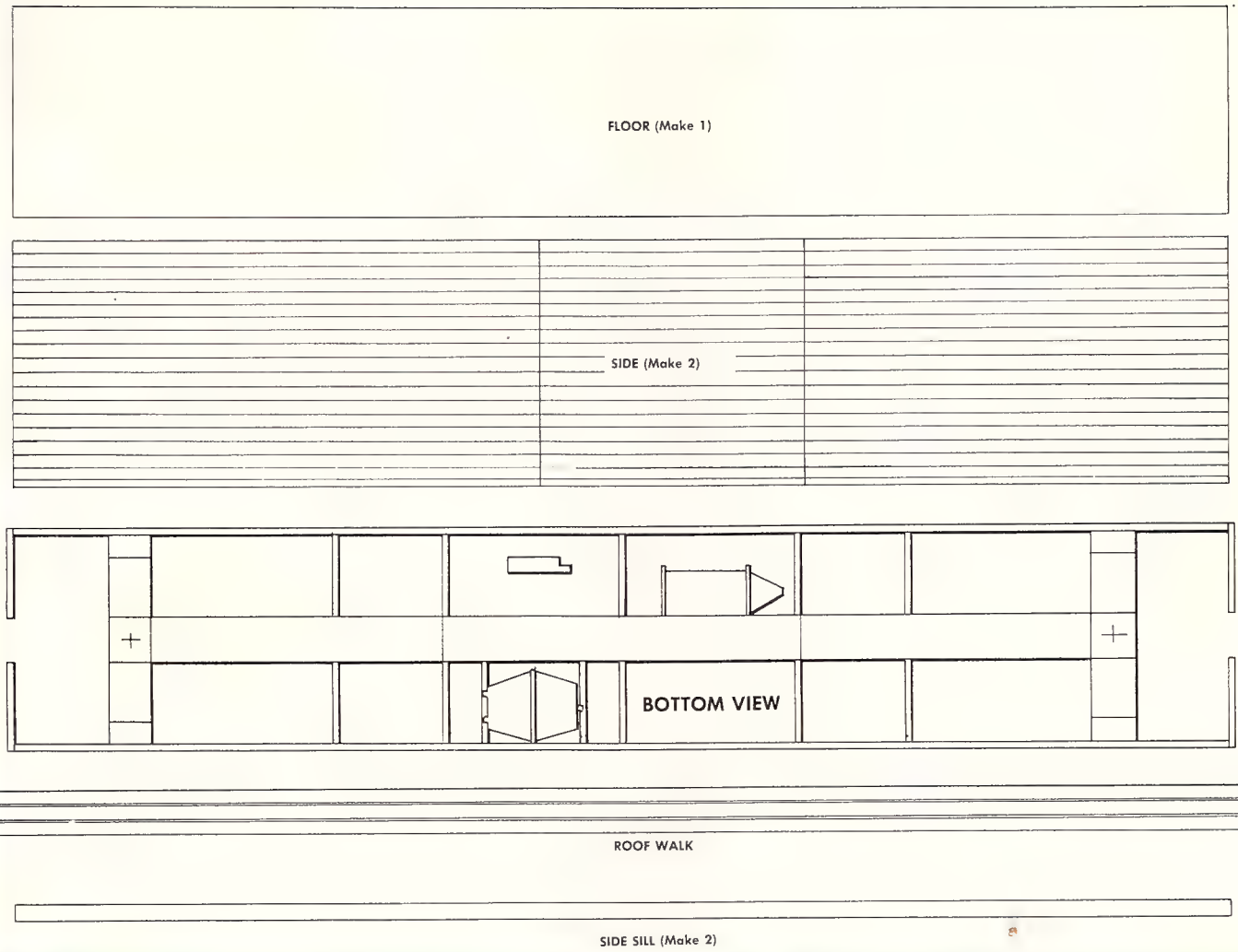
Cut 4 end posts from 1/16" wood zee bar and cement to car ends. Next, cut 4 diagonal end braces from 5/64" wood channel. Trim each end of the braces so that they will fit neatly to the car ends.

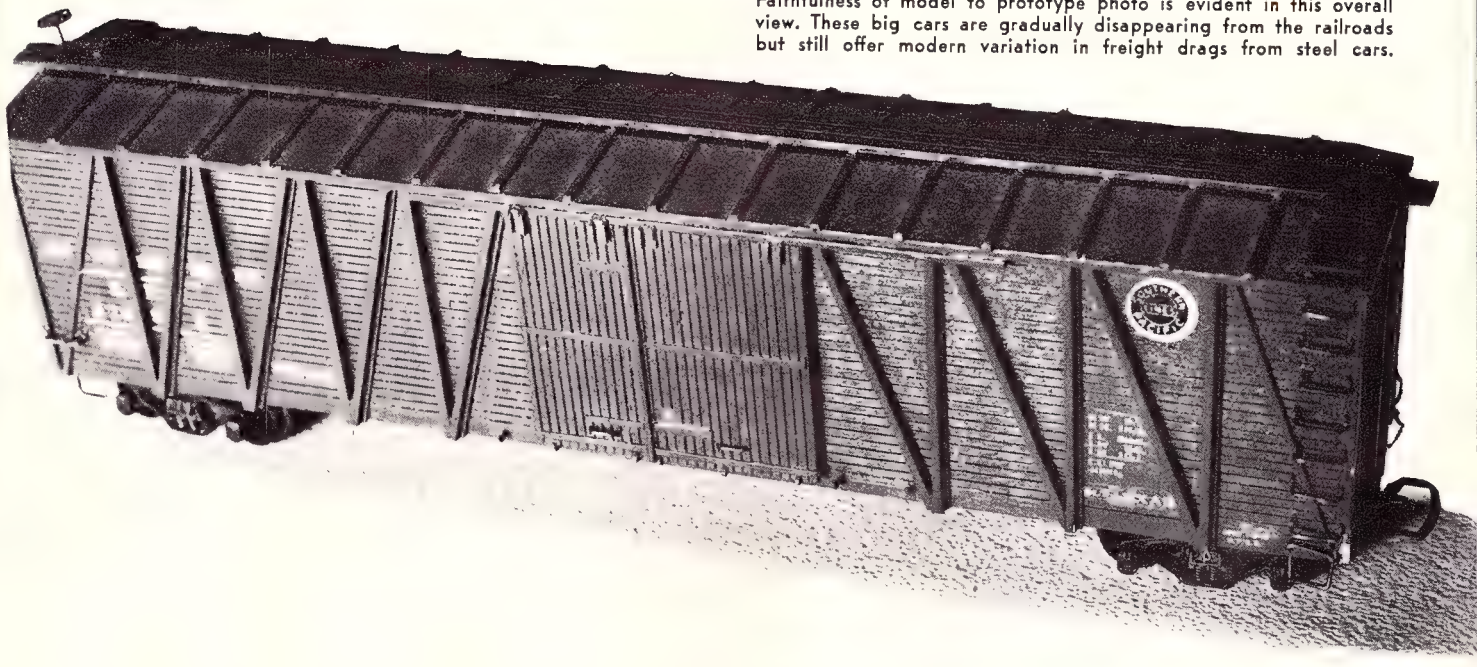
Body Detail

The car is now ready for grabirons, ladders, and steps. For the ladders and grabirons, use 42 Northeastern No. 1 7/32" preformed grabirons. Office staples could also be used but don't look as good. The 4 steps are cut from No. 26 wire. Drill No. 76 holes for mounting these parts. Add also brake platform, brake rod, and brake wheel.

The car is now ready for painting and any shade of box car or tuscan red is satisfactory. If your paint is old and has a heavy sediment in the bottom, you'll get better results by throwing it away and buying fresh stock. Unless you're a whizz at hand lettering, decals are your best means of lettering the car. The prototype series run from 66800 through 67999 so that you can build quite a few, all lettered for the Southern Pacific should you so desire.

Mount your freight car trucks by using 2 No. 2—3/8" round head wood screws after adding your choice of couplers. If you have any other favorite cars you'd like to see written up, drop me a line c/o RAILROAD MODEL CRAFTSMAN.





Faithfulness of model to prototype photo is evident in this overall view. These big cars are gradually disappearing from the railroads but still offer modern variation in freight drags from steel cars.

Trouble Shooting a model railroad

By Sam, the trouble man

All questions pertaining to model railroading will be answered thru these pages or direct by mail. To speed this valuable service, send a return envelope with your query.

The Common Rail

▶ Can you explain to me what is meant by the "common rail" type of two-rail wiring? I understand it saves a lot of rail-gaps and wiring, so I would like to adapt it if possible.—James McHannon.

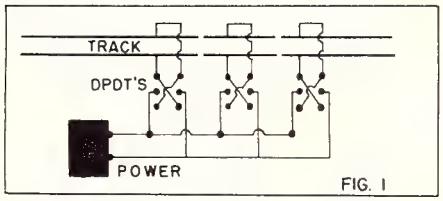


FIG. 1

ANSWER: To begin with, look at fig. 1 which shows *independent block control* (rheostats omitted in interests of simplicity), the type of control used on nearly all model railroads using 2-rail D.C. as well as others. Each two-rail block or section has its own reversing switch (DPDT) and rheostat (speed control, not shown), and is separated from each other block by gaps in both rails. Here three blocks are shown and notice that each block is *independent* of each other block in both direction and speed of trains.

Now some people, believe it or not, use *two power supplies* arranged with polarities as shown. One is for forward, one for reverse. This permits the use of much cheaper SPST switches for reversing (again rheostats omitted), since your other rail is "plus" from one power pack and "minus" from the other at the same time. This other rail is what is called the *common rail* since it does not seem to need to be broken up with gaps to correspond with those in the first rail. It does *not* need to be broken up if the two-rail blocks are simple affairs on after the other as drawn in fig. 2, without track switches, crossings, etc. In reality, however, there will be track switches, or, if none, there is a possibility that some will be added in the future.

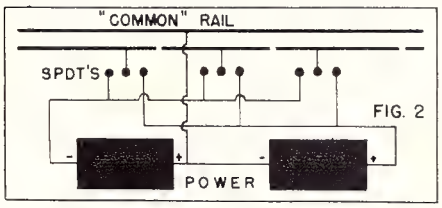


FIG. 2

In recognition of this, the "other" rail *is* broken up into the same sections as the first rail, the same as in independent block control, fig. 1. This is shown in fig. 3. However all such rail sections are still to be connected to the plus of one pack, the minus of the other, so they are all wired as shown to a *common return* wire. The additional advantage is accrued that any block may be disconnected *completely* while trouble-shooting, a thing not possible with common rail as shown in fig. 2. The rail to which these common returns are connected is usually referred to as the common rail. Care must be taken on multiple track lines to be sure that the common rails of all parallel tracks are on the same (top in the case of my dwg.) side *if* the tracks are connected with crossovers at any point. Otherwise it would be possible in crossing from one track to the other to get zero volts or a full twenty-four volts!

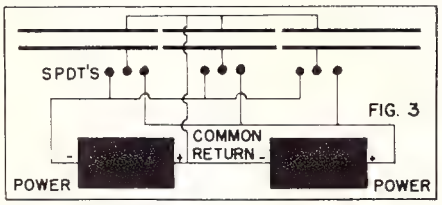


FIG. 3

The advantage of common rail or common return is some saving in wire. More important is a saving in the cost of DPDT switches since the SPST's used cost about half as much. Or double poles may be used with the other side being used to light indicator lights and such. On a large railroad, the saving in DPDT switches and in wire may be enough to pay for the extra power supply required. The extra power pack, by the way ,is listed as the big *dis*advantage if cost is an object—and it usually is.

Switch Machine Adjustment

▶ My problem is controlling switches. I have an HO gauge layout built but I cannot seem to get switch machines installed correctly and have them stay working. The wiring does not trouble me, but it seems to take me all day to get one where everything works correctly, then within a few days or a week it is out again and needs readjustment. I only have ten switches, but they are driving me crazy. I have tried various makes of switch machines. Is there any secret weapon here?—Curt Alexander, New Bradford, Pa.

ANSWER: Most modellers have this trouble to some extent. Switch machines need plenty of voltage, more than the usual 16v. a.c. that people give them. Then the banging of the points may loosen the stock (outside) rails of the switch, and may loosen the switch machine itself. Use plenty of spikes on the switch, even soldering rails to the spike-heads if needed. Screw the switch machine down good and tight when you have it finally adjusted. Use screws that are long enough.

You might give some consideration to using the HO "tinplate" switches with built in controls such as the Snap-Switch or Speedy-Switch or Fleischmann Switch. These are already adjusted and since machine and switch are one unit, they cannot get out of adjustment.

You also might consider Manual control of your switches. There are several hand-throw switch stands on the market. You can also use automobile choke controls with the handles set in the edge of your table and the end of the wire brought up through the table itself and fastened to the switch throw rod.

Thousands of railroaders have licked the switch control "problem" without giving up so there is no reason why you should not.

Lamp Voltage Reduction

▶ What is the formula for reducing lamp voltages so they will last longer? I refer to signal lamps on 6, 14, or 18 volts.—Tom Cutting.

ANSWER: No special formula. Just pick a stop on your transformer somewhat lower than the rated voltage. Thus you could run a six volt lamp quite nicely on four volts, a 14 volt on ten or twelve, and an eighteen volt lamp on twelve or fourteen volts. This is a very good idea in order to make your lamps last longer. In circuits such as switches where the highest voltage is required to work the switch machine, fixed resistors may be introduced in the wires to the lamps to reduce voltage to them only. One writer suggests that 5 watt resistors be used, with about 4 ohms of resistance for each volt drop required.

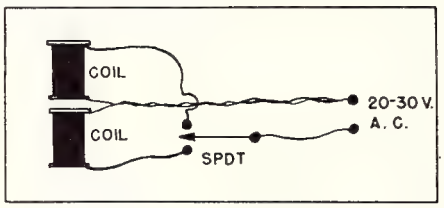
Rheostat Size

▶ What size rheostat should I use with a ZW transformer and cab-control? I know of course that transformers are built with speed controls in them, but I wish to use one for several cabs. —D. D. Bowman.

ANSWER: We'd suggest a 20 ohm rheostat for 0 gauge, 30 ohm for S gauge, either one from 50 to 100 watts in capacity.

Hooking Up Double Solenoid Switch Machines

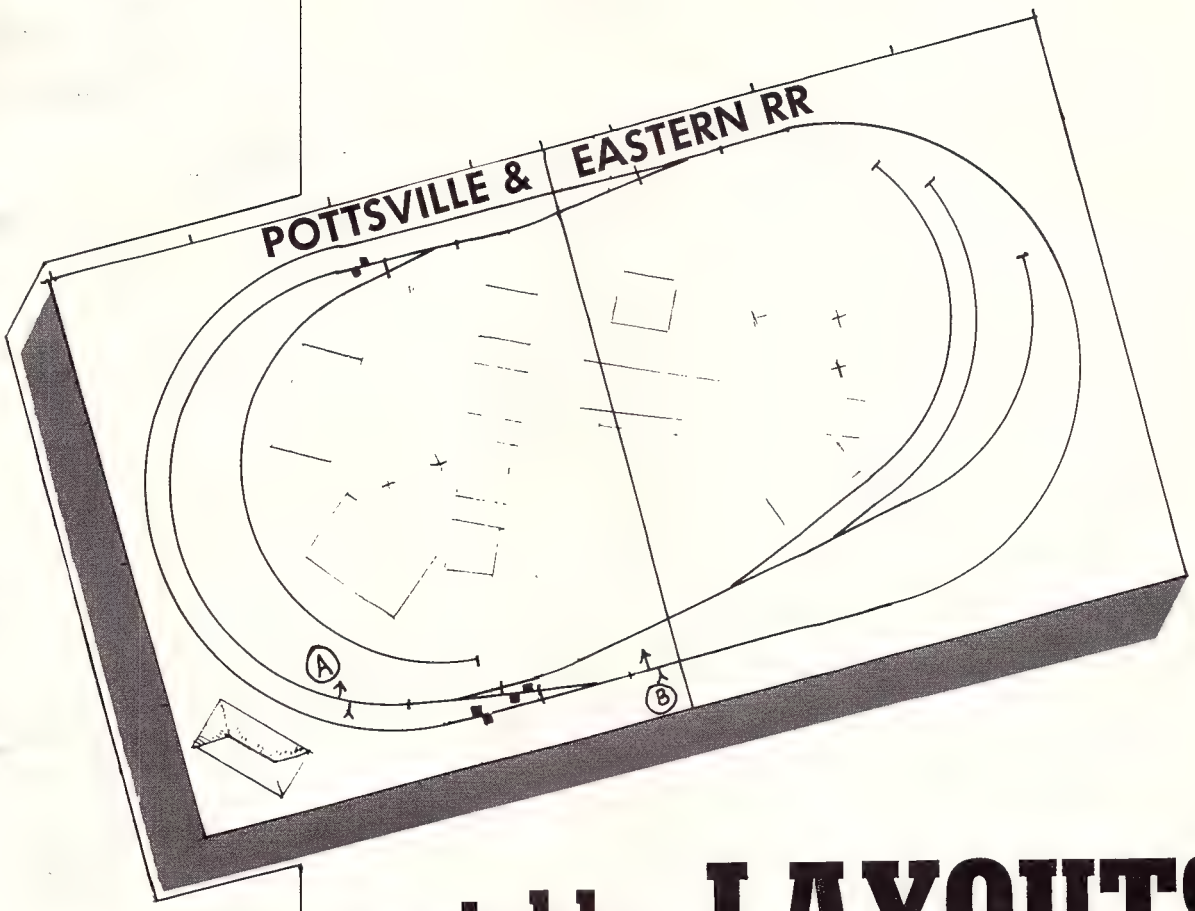
▶ Please, please tell me how to hook up a double solenoid switch machine? I have two of them for my two switches but even when I follow directions included with the machines they do not throw the switches. What is wrong?—Richard Lisenco, N. Y., N. Y.



ANSWER: Be sure enamel has been burnt or scraped off ends of the four wires coming from the two coils, then connect as above. The center wires may be twisted together, then soldered to a wire running to the power source. The end wires run to the outer poles of a single pole, double throw (SPDT) spring return to center-off toggle switch on your control panel. The center lug of this SPDT switch should also be connected to your power source.

Inasmuch as you have had so much trouble, better get one machine working completely detached from the switch first since it may be that your switch does not work freely enough to let the machine do its job. Use a high enough voltage, say 20 to 30 volts A.C. which you can get from a toy train transformer. Your other switch machine should be wired exactly the same way and to the same power source.

The usual trouble comes in adjusting the throw of the machine to that of the switch and that is what takes many hours of careful experimentation. If your troubles persist you might be well advised to purchase two of the ready laid switches used with "tinplate" HO track. Both the Snap-Track and Speed-Track ones have switch machines already connected to track and with binding posts so you do not have to solder.



portable LAYOUTS

by the Layout Doctor

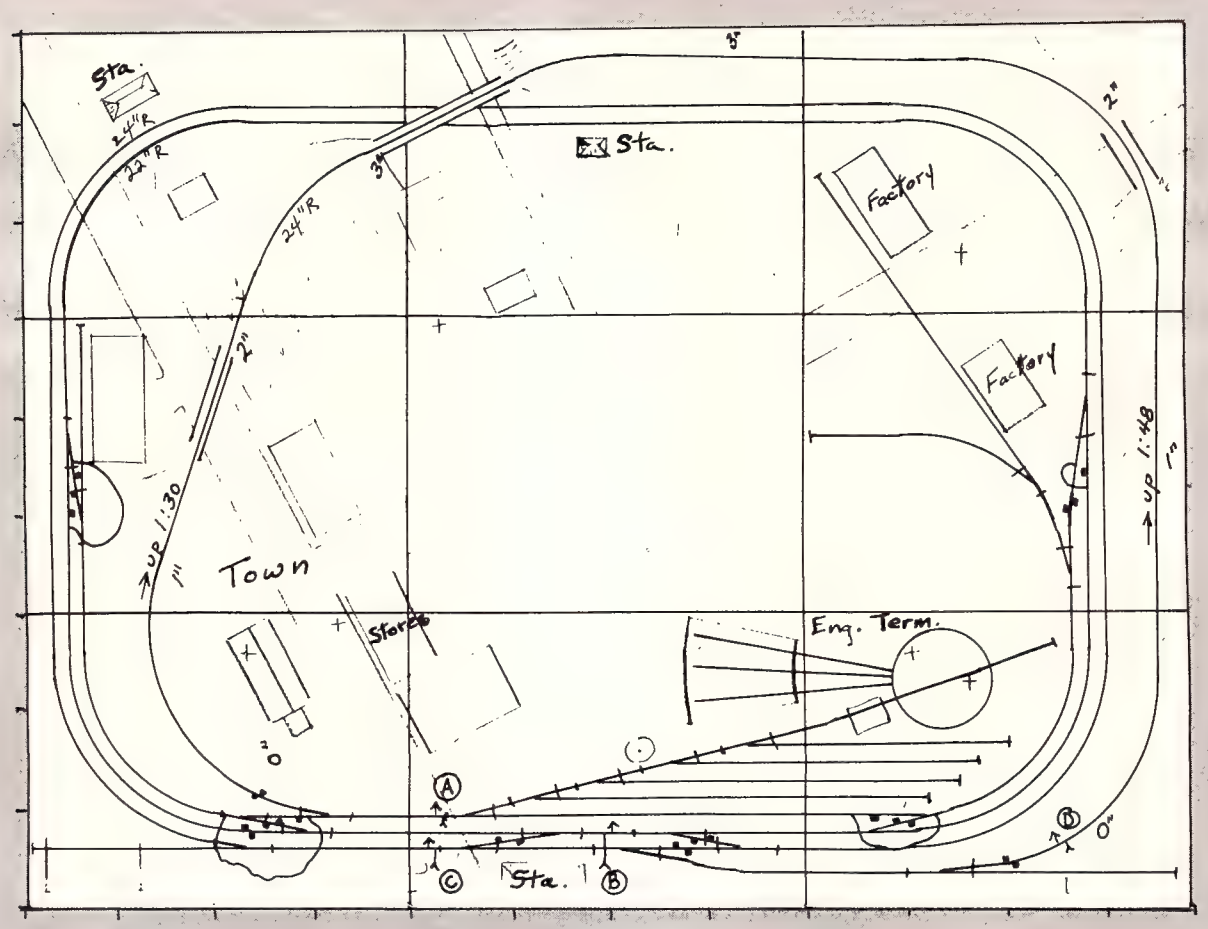
Here are three layouts that are portable in the sense that they may be transported intact as a unit or as several units. They're also good basic designs for any modeler.

WHEN somebody requests a design for a portable HO gauge model railroad, or offers a design for a portable pike that he is going to build, I take what is technically known as a "dim view." Most people get into this portable pike business because they live in an apartment or other crowded quarters and just do not have the space for a permanent model system. They envision themselves setting up a portable pike for an evening's railroading, then taking it down so the Mrs. will not stumble over it next day. At best they picture an idyllic week-end with the Mrs. gone to the country—and the portable railroad up for three whole days! Other fellows want what they call a portable pike because, while they have space for it at present, they quite likely will have to take it down and move to other quarters several times in the foreseeable future. Military personnel come in this class.

My personal experience with a portable pike has been quite limited, but also quite sad. But I have known people who have built them and they all averred never again. Still, people have the foolproof system for portabilizing (to coin a word) an HO railroad, and insist that they will succeed where others have not. So I have gotten together three designs for portable railroads and a few choice remarks on the subject.

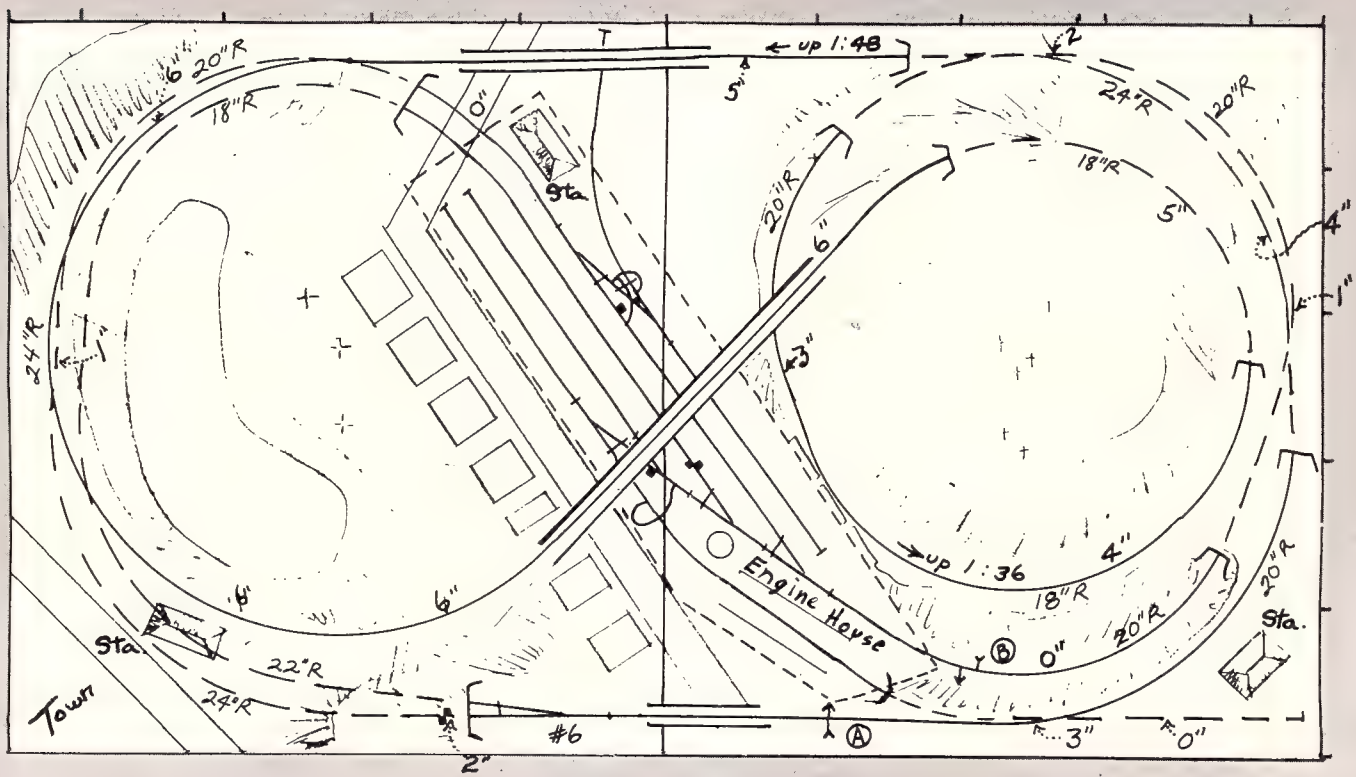
Pottsville & Eastern RR

The Pottsville & Eastern is to be built on two panels each 3'6" x 4'0". The panels are to be ¾" plywood, hinged with a long piano hinge to fold up bottom to bottom. All buildings are removable so that the only things sticking above the surface of the table are the bumpers, sidewalks, station platforms, and top-mounted switch machines. Hence the folded railroad itself can be placed behind a sofa with a minimum of damage to itself, while the buildings and rolling stock are placed in boxes and put away *under* the sofa. The track is to be mounted on Tru-Scale roadbed and built solidly across the joint when the table is up. The rails are to be spiked very very well on both sides of the joint and then the rails and roadbed are to be cut right at the joint with a razor saw. When the table is folded uat to set it up, the rail-ends will match up with very little shoving



PACIFIC CENTRAL RR

SMOKY MOUNTAIN RR



around of spikes to align the rails. Current is carried across these breaks by means of flat pieces of spring brass which are soldered to the rails, then down to the depth of the roadbed. When the table is set up, these automatically make contact.

This rather simple design illustrates several cardinal principles of portable layout design. One is that for maximum portability, no rail joiners should have to be engaged every time it is set up, no screws tightened. The second, growing out of this, is that a one-level pike is easier to make portable than one with more than one level. Third, if possible, tracks crossing the break should be straight, though not necessarily at right angles to the break—but not at too acute an angle, either. Fourth switches should not be placed on the break. The fifth principle applies to all layouts and that is to keep switches up toward the front as much as possible so that you can reach them, altho portable layouts are less apt to be put against a wall than permanent ones.

You sacrifice some niceties of layout designing when you set your eye on a portable railroad. For instance on this Pottsville & Eastern, were it on one table,there could be at least two more switches in the forbidden zone between the No. 6 switch in front center of right panel and the No. 4 switch which leads to the freight house. One of these ghost switches could lead to another and longer yard track between the 16" and 20" radius curves at the right, while the other could lead to a turntable and roundhouse at the rear of the right-hand panel.

Of course, turning aside from these plans for a moment, the maximum of portability can be obtained with a one section railroad. A panel up to four by six feet can be made this way, but is awkward to handle and store. However the three by four feet Sanka Way Layout in the Sept. and October 1953 RMC packed a lot of railroading on over ten switches in an absolute minimum of space. The trolley line in only 30" x 48" described in the March 1953 RMC also represented a lot of railroading in a small space. Both of these pikes, which you might like to look up, could be simplified and still be a lot of fun with no folding or dismantling after a session.

Pacific Central RR

Lets look at the Pacific Central R.R. which represents a pretty big portable layout designed with a view toward packing it in military size crates for overseas or other shipment when the owner was transferred. It consists of eight panels each three by four feet. These had plywood tops with 1 x 2 edging and one cross-brace each. 1 x 3 or 1 x 4 would have been better but it was desired to keep weight down. A 1 x 6 was placed flat along the outside edges of the board, under the plywood, and pipe flanges mounted on this let the owner screw in pipe legs once the new location was reached. The tables were fastened together with three long bolts and wing-nuts on each four foot side, two on each three foot side. Washers placed under the heads of the bolts and under the nuts kept them from digging in and permitted considerable tightening.

This design brings up another point about portable pikes—never mind this open framework business, and indeed never mind the cheapness and other good features of Homasote over the noisiness, hardness, and expense of plywood. On a portable pike even a ¼" plywood top gives the table a great deal of shape and rigidity without the use of too many underframe pieces. Since in many cases a portable pike represents a boiling down of pretty grandiose railroading ideas, the extra expense of plywood isn't so objectionable.

The design itself is a plain double track square oval with a switching lead and a mountain division which climbs up, over, and down again to rejoin the main. This is the basis of RMC Layout No. 1 written up in the April, May and June 1950 issues, the only four by six in size. Indeed, the previously described Pottsville & Eastern is very similar in design to the Sanka Way layout from Sept. '53 RMC, but larger. You can take your favorite layout and redesign it for portability if you will sacrifice some of its features or make it somewhat larger in size.

Smoky Mountain RR

The SMOKY MOUNTAIN R.R. is five by nine feet over-all in HO and is to be built on a ping-pong table which is already equipped with legs. Here is a very ambitious project, a three level railroad which is portable. Perhaps in this and the previous cases portable is too strong a word because they are not meant to be taken down every night, but only once or twice a year for necessary travel. Quite a problem arose with this road because the desired general layout idea had the main batch of switches diagonally across the cut. This was solved by mounting all of the yard trackwork on a ¼" plywood panel, the outlines of which are shown dotted. This fit sits on the table top and matches with a little shimming to the height of the wooden or cork roadbed used on the rest of the line. This line is a very simple one (which could be a narrow gauge pike for all I know) and spirals from the yard up through Smoky Mountain itself, crosses the yard on a high bridge, then loops around a lake and down again to approach the yard from the other end. Notice very carefully one thing, that on this pike (and it is desirable on others if you can manage it) the upper levels cross the break in the table on bridges.

How do you connect the tracks across the break? That is the problem because after age and warpage have taken their toll of the layout, the rails, won't line up as smoothly as they did when it was new. The usual thing is to bring the rail ends right up to the break and fit a rail-joiner on each. This must have spikes or staples removed behind it enough on one side only so that you can slip it back when you take down the pike. Perhaps spring brass contacts such as described for the Postville & Eastern could be fitted in addition to the rail joiners which are bound to become a little loose in time. If possible. use good long rail-joiners such as those which come on Atlas Snap-Track. Of course the track could be laid so that as many rail joints as possible did come right at the break. For instance on the Smoky Mountain the right-hand No. 6 switch at left front could be positioned so that its right end came right at the beginning of the bridge across the break and the road. Such places occur on the other track plans given this month, too.

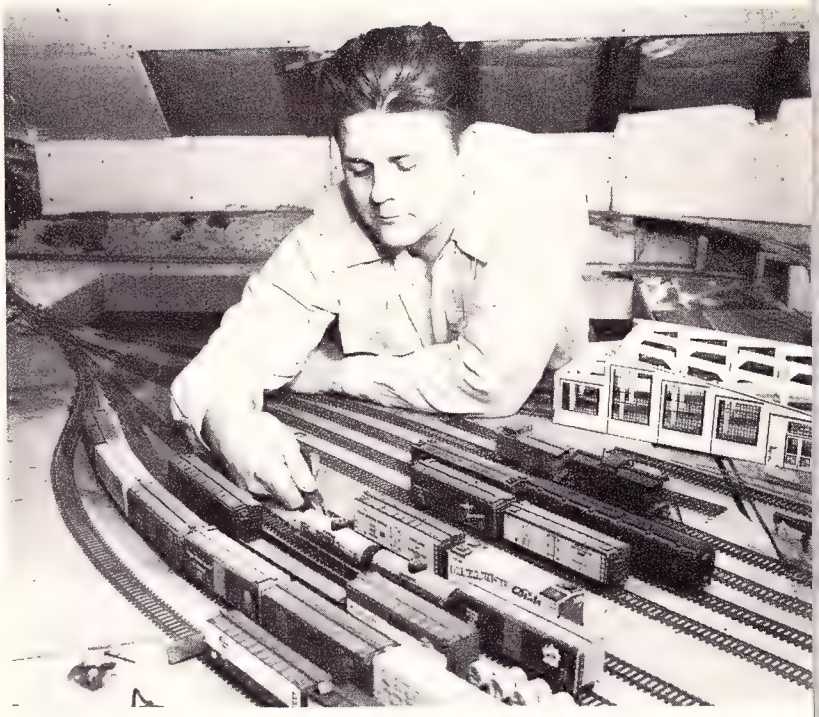
Another idea for connecting tracks across the break is to have the rails end a few inches back from the break and have special short pieces of track or even of rail which fit in the big gaps left. Pieces of sectional HO track of one make or another may be cut down and mounted on roadbed (if not already on) to run across the breaks.

If possible, controls should be arranged on a portable pike so that as little hooking up of wires as possible is to be done. It helps to have all sets of track feeders on one panel and it helps to have as many switches as possible on one panel. If they are not all on one panel, and I'm thinking especially of the Pacific Central, the controls for those switches should be located at the edge of the panel they are on rather than on one big central contral panel which would have to be wired in each time. Similarly

Go ahead and build yourself a portable railroad. Maybe you will be the exception and have a really good, really portable one. But if you don't succeed, don't say I didn't warn you.

Freights make up bulk of operations with Mantua Mike and Penn Line K-4 handling most of the tonnage. Bowser 4-8-2 dual service engine also handles long drags. Switching is performed by 2 0-4-0 locomotives; Varney Joe, English A5s.

Prefab track and ready lay switches make track laying easy even on tough plywood. New yard is going into space vacated by chimney which Smitty moved to another part of the house. Surrounding mountains were also removed, enlarging layout.



The Smith Bay & Western

Wiring and trackwork, which uses both Atlas and Truscale, have so far been given more attention than scenery and rolling stock. Economical background scenes add plenty of 3-D depth to pike, are supplemented with structures and plaster.

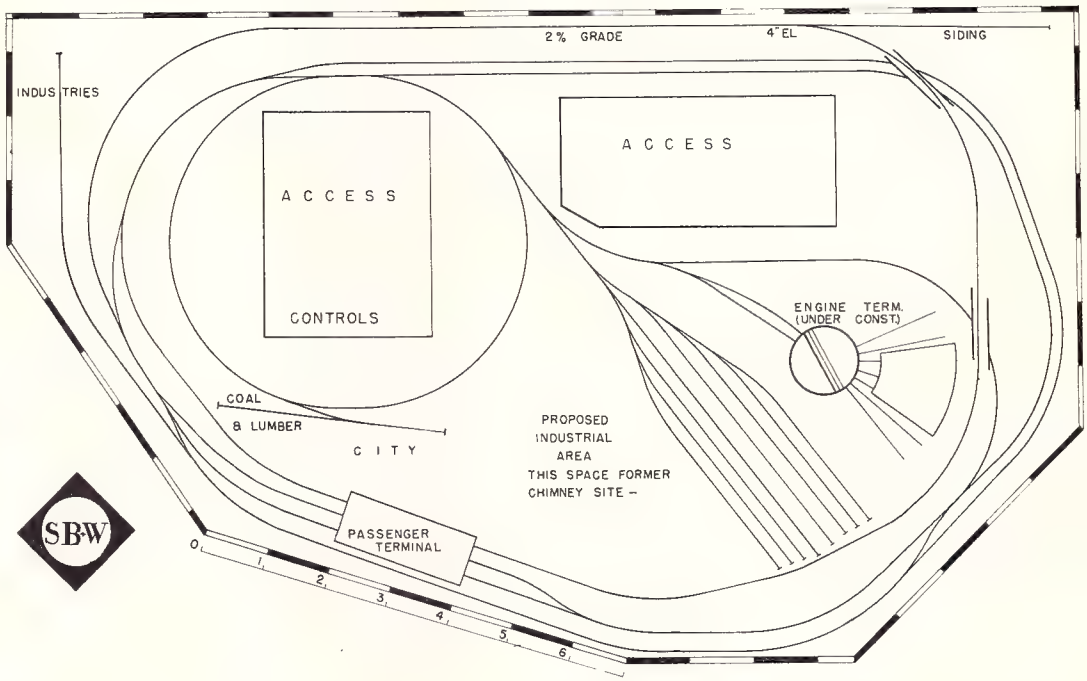
Whoever said that coffee table layouts are the only thing which fit into modern development housing should look at Bob Smith's expansion attic layout whose 12x16 ft. area still leaves plenty of room for both lounging and living.

While many modelers moving into new homes are bewailing the lack of space for a layout, Robert E. Smith, of Paramus, N. J., began fixing up his expandable expansion attic and built himself a 12x16 ft. HO empire known as the Smith Bay & Western Railroad.

The Smith Bay & Western fits snugly against three corners at one end of the attic which has been converted into a railroad room. A large brick chimney which once was circled by the railroad, has since been removed and provided room for a new industrial area which will be started shortly. The moving of the chimney also received the blessings of the local ICC since it enlarged both the living and dining rooms as well.

No curves are less than 36" in radius and the road's crack five car streamliner, *The Empire Builder* takes the curves with ease. The streamlined cars are all 85 ft. in length. Smitty held off from the use of diesels longer than most modelers but finally succumbed. A double unit F-7 Globe now powers the streamliner, releasing a hefty Bowser mountain type engine for freight service, along with a Mantua Mike and a Penn Line K-4. Mantua couplers are standard on the SB&W, which uses a modified Erie diamond with an SB&W as it's herald.

Staff Photos



"Off'n the table top"

News and Views of TT

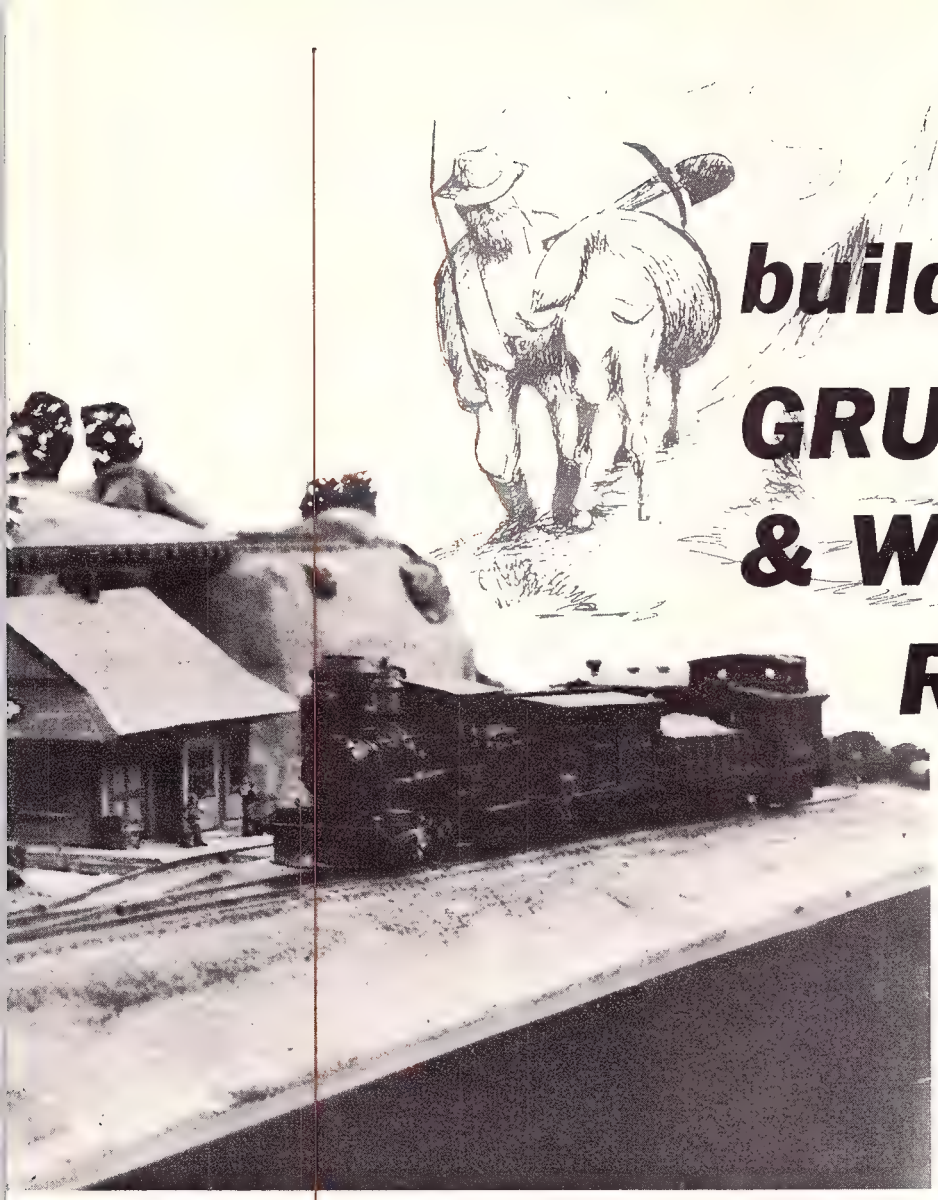
By Glyn Lewis

Prosperous or not, Black Jack Mine contributes it's share of freight yearly to the Grubstake & Welcher. Rugged scenery on the G&W adds to the lines appeal to non-railroad visitors.

building the GRUBSTAKE & WELCHER RAILROAD

as built by

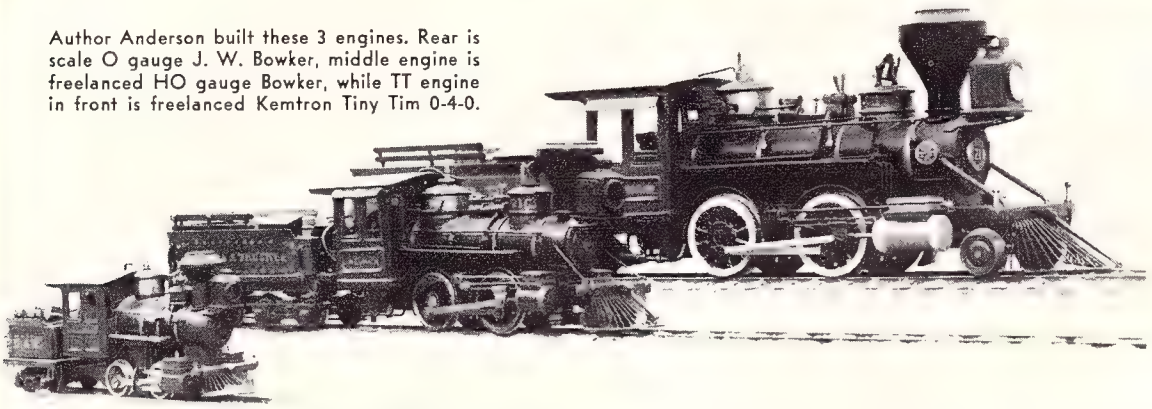
Martin C. Anderson



Grubstake—a booming mining town located along tracks of the Grubstake & Welcher Railroad, an ambling streak of rust whose tiny 24" x 44" size will probably come as a surprise to many readers. Built to TT scale, this pike could just as easily have been built to HO scale with very little enlarging of the track plan. Cars and structures were scratch built; loco is ex-Kemtron.

photos by Don Nielsen

Another view of Grubstake, terminus of the old G&WRR. Railroad men in off of their run head for the Palace Hotel but whether they do so before or after visiting the "Pair O' Dice" is questionable. Main drag in town is on hill.



Author Anderson built these 3 engines. Rear is scale O gauge J. W. Bowker, middle engine is freelanced HO gauge Bowker, while TT engine in front is freelanced Kemtron Tiny Tim 0-4-0.

building the GRUBSTAKE & WELCHER RR

THE mines in "borrasca", the Eccentric Pacific Railroad, a once bustling 4 ft. x 10 ft. HO old time western pike, had no alternative but to petition for abandonment. The terrain at the new "diggings", a three room apartment, was hopelessly impossible for HO railroading unless it be a funicular railroad. While it may be fun to build a funicular; my fondness for old fashioned western tea kettles resulted in another solution: I would scratch build scale model historical western locomotives!

A pine knee-hole desk, painted in colors to match the bedroom decor, received a nod of approval from the household government. In this, I had a workshop, "The Bald-One Locomotive Works." I decided on an O gauge project where there would be lots of time consuming detail. The prototype subject would be the J. W. Bowker, an old time 2-4-0 formerly of the Virginia & Truckee RR.

With purchased drive wheels, gears, and motor, I kept myself entertained for about a year and a half, building a quarter inch model of this old time beauty. The entire job was done in the bedroom desk-shop, except the pilot and tender wheels, steam and sand domes, which were done on a friend's turning lathe; and an assist from a local photo engraver on the builder's plates. The operating activity of my Bowker consisted of test runs only and she is now seeing service as the decorative portion of a table lamp.

Then thumbing through a copy of RAILROAD MODEL CRAFTSMAN, I ran across an eye popping article, picturing and describing Ray Boss' 1 ft. x 2 ft. TT pike. Now here was something for us space starved model rails. I immediately dispatched my survey crew for preliminary data. The reports clearly showed that there was a 2 ft. x 4 ft. space available. If Ray Boss could do it in 1 x 2, I would have a veritable empire in 2 x 4!

Application for a charter and trackage rights were submitted to the government. She granted the rights and charter with the provision that the construction equipment and materials were not to be stewn about the landscape, and that the finished railroad would beautify the countryside. Like all real old-time railroad promoters, I promised anything and everything.

Construction began on the Grubstake & Welcher Railroad with a 22" x 44" table. This was built on the same principle as a wooden breakfast or dinette table, with legs attached to the corners of the apron with lag screws. The top, one half inch plywood, was set inside and flush with the top edge of the side aprons. With an eye towards future display purposes, an 8-contact electrical radio socket was installed in the table apron. This would permit display with or without control panel and power pack and also allow for remote control.

The entire roadbed was cut from one piece of quarter inch plywood and it resembled a pretzel when ready for laying. It was a simple matter to achieve grades and easements by placing spacer blocks at the desired heights and intervals. In order to work in a trestle, tunnel, and overhead crossover, it was necessary to resort to a three per cent grade going up and six per cent on the down grade. HP fibre trackage was used and to conform with the tortuous curves, the simple experiment of cutting half way through the tie strip between the corrugations with a scissors allowed it to lay flat and true around the road's seven inch minimum radius curve.

The scenicking was accomplished by the usual wrinkled screen and wood prop-up method. The plaster used was "floor stone", a cement like material used by linoleum layers to fill in holes. This material works easily in small areas but dries too rapidly for use in larger areas.

A waterfall and pond was fashioned by pieces of print linoleum placed before the plastering routine, and then painted green. White paint was lightly stippled on the pond and brush streaked on the waterfall. When this was dry, a heavy coat of clear varnish was literally poured on for a very realistic effect.

Track ballasting was accomplished by painting the entire trackage with a water soluble glue thinned about half with water, and while still wet, sprinkled with fine saw dust. When this was set, the surplus saw dust was swept up with a two inch paint brush and the rails scrupulously cleaned.

When the pike was dry, it was painted in the following manner. A flat white undercoat was colored with burnt umber and raw sienna, with a little burnt sienna added to produce the desired dirt color. More than enough of this color was made. The entire pike was painted, trackage and all, except the pond and waterfall. While still wet, the roadbed and ties were wiped up to highlight the ties. Again, the rails were cleaned thoroughly. The left over dirt colored paint was saved, thinned down, and used as a glaze for build-

ings and objects on which a patina of countryside dirt was desired. This effectively eliminates the unrealstic appearance of the rawness of everything in sight being freshly painted.

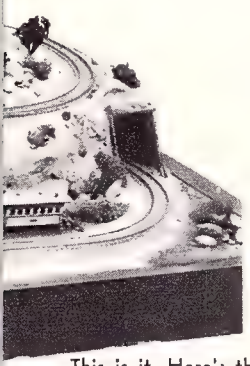
Small rocks and pebbles were cemented here and there in likely places to simulate outcroppings of rock. The finner portions of lichen were used for shrubbery and segments of HO trees furnished the greenery.

All of this construction commotion was carried through to the complete satisfaction and approval of the government. The small areas being worked on this TT project made it very easy to carry out the conditions of neatness. I'll admit though, that when the inspector's back was turned, I used an occasional hefty puff to dispose of dust and small particles of debris. If she noticed this, no action for breech of contract was taken. In fact, the diminutiveness of this operation was beginning to attract her attention in a favorable manner.

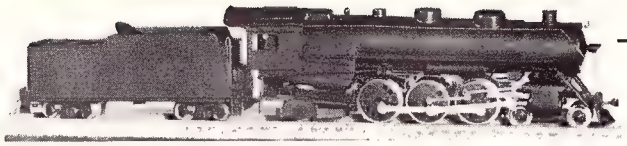
The Grubstake & Welcher's rolling stock consisted of one locomotive, a passenger and a box car, a dump gondola, and a four wheel crummy. These were all scratch built. Motive power consists of a Kemtron Tiny Tim which has been worked over into an old time 0-4-4, not to much unlike the J. W. Bowker in general appearance.

I find that working tiny areas automatically results in finer accuracy. In wondering about this oddity, I decided that it wasn't possible to "goof" on such a small item, because there wasn't so much to "goof" on. After building a 24 x 44 inch railroad, I drool when I think of what might have been done with my old 4 x 10 floor space. That could really have been a railroad system.

The government approved and accepted the finished Grubstake & Western Railroad as a welcomed addition to the household. Girl friends are never allowed to leave the apartment without being taken for an inspection tour over the road. This usually brings forth the remark, "Isn't that the cutest thing! Did your husband really make that?" The answering reply is a proud silent affirmative nod.



This is it. Here's the whole railroad complete with town, mining area, mountains, tunnels, trestle; occupying a space of less than 2 x 4 ft. Who says he hasn't got room for a layout?



BUILD THIS LOCOMOTIVE YOURSELF

IT'S EASY WITH OUR SIMPLIFIED KIT — TT GAUGE OF COURSE

You too can be the proud owner of a husky Pacific type locomotive (above) by making use of our simplified kit. Parts furnished can be assembled with ease; all difficult work has been done in our factory—nothing has been left to your imagination. All parts are provided for a complete model; die-cast superstructure, brass frame, fully machined drivers, Pittman DC-60 motor, plus a tender and all the fittings to give this husky a life-like appearance. You'll enjoy building this loco and it will prove to be a real workhorse around your pike. See it today, at your dealers, only **$29.95**

For more information on these locomotives and for a complete description of our entire TT gauge line of cars, track, accessories, etc., send 10c for our latest catalog. Get your copy today!

These other locos will also please you
Same Construction Features

0-6-0 Switcher	$22.00	Mikado	$31.50
Consolidation	26.50	Mountain	33.50

HP PRODUCTS CO. Box 350A HARTFORD CITY, INDIANA

NEW! IMPROVED! and FREE to you!!

Prepainted and fully lettered sides in all **TT** **OUR KEMTRON Hopper Kits**
without Trucks $2.00
with cast brass Trucks $3.25

Nine sides to choose from!
D. L & W., B.L. & E., PENN CAN, PAC., L&N, E.J. & E., SO., N.K.P., T & P.

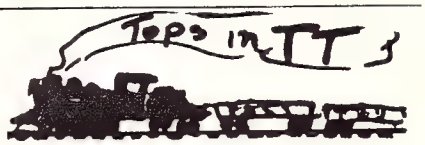
Exclusively From
Fast Mail Order Service | **THE TRAIN TERMINAL** Box 136, Murray Hill Sta. New York 16, New York | complete TT stock

TT "Gandy Dancer" TT

Buy a 1914 FORD or 1927 PACKARD
Both in TT, of course, for as little as only 25 cents or better still, our latest Catalog B (over 40 pages) of only TT Ga. Model Railroad Locomotives, Cars and other Wayside Accessories, .35c postpaid.

SHERMAN DANCE, HAWORTH, N.J.
MANUFACTURER "GANDY DANCER" RR MODELS

Taking a Tiny vacation.
Be back here next issue.
P.S. Write For Free tip sheet on TT. Include stamped and addressed envelope.



BEGINNER'S TT OUTFIT

Complete set including 0-4-0 loco and 3 car kits, complete oval A.L. Co. roadbed with rail, decals, everything necessary to start operation including power pack ... $35.00
Same set less power pack $25.00

We pay postage on all orders in U.S.
Send 10c for TT list

ROBERT McMINIS 221 Ralph St., Belleville, N. J.

BAD THREADS — BROKEN TAPS

Cutting compound for better threads and reduced breakage. Non-toxic. For use with all materials. .50c—$1.00—$2.50 Sizes.
See your local hobby or hardware dealer or order direct. (Shipped P.P. Prepaid.)

ROSSMOYNE MODEL PRODUCTS
P. O. Box 1035 Rossmoyne, Ohio

TT GAUGE

ALL NEW! READY NOW!

90° *CURVED* TT TRESTLE (18" radius) $1.50
TT SWITCH *KITS* (Complete) No. 5 ..... $1.75
No. 7 ..... $1.85
TT RERAILER (Used as a grade crossing) ..... .49
Many NEW items coming, all in TT, the REALISTIC, fast growing gauge.
Send for the NEW price list.
ALWAYS try YOUR DEALER FIRST, if he doesn't have it, we DO!

A.L.CO HOBBIES
2890 Coddington Ave.
Bronx 61, N. Y.

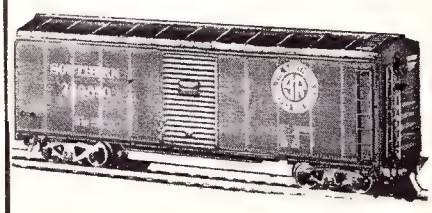
- **LAYOUT PLAN SERVICE**
  $5.00 per 100 sq. ft. overall area, any gauge with scenery, 2-rail, helps. 2-3 wk. service.
- **BUILT UP HO LOCOS**
  Stamp brings list of specials at realistic prices. Trade-ins accepted.

WANTED: pre-war HO kit built locos or parts.

WILLIAM SCHOPP
445 S. Logan Avenue Phone: OWen 5-2202 Trenton 9, N. J.

Now!
RAILROAD PHOTO ALBUMS
4-4-0 ALL 2-8-0 3 4-6-0 $1
HURRY! RAILROAD PHOTO ALBUMS ROUTE 17, Dept. 99 Ramsey, New Jersey

For FREIGHT in TT it's



MKT yellow
NYC red & grey
SOU red
NH red
PRR Gondola
$1.85 ea.

16 Wheel Flat Car **$3.25**

- Prices include trucks & auto. couplers. Orders under $2.00 add 25c. Write for free literature.

John Marshall Associates, inc.
Exclusive Distributors
BOX 2463R BRIDGEPORT 8, CONN.

PASSENGER CAR AND TRACTION DIRECTORY

Part I of the Passenger Car Directory containing all standard type and open end passenger and head end cars appeared in the February issue of Railroad Model Craftsman.

TO THE READER: The Railroad Model Craftsman Directory of Streamlined Passenger Cars and Traction Equipment contains all known kits and cars presently in manufacture which are built to scale, or are sufficiently to scale that they may be readily converted to scale use without appearing out of place. Major American tinplate lines are also included, and are identified as such. Prices, the materials used in the kits, and the method on construction are subject to change without notice.

Many of these cars may be changed to more desirable prototypes through addition, removal, or alteration of parts. Pre-lettered and painted cars may always be repainted and relettered with decals or hand lettering. This Directory was compiled by the editors of Railroad Model Craftsman who relied upon the material supplied and checked by the manufacturers listed and all data is as of Jan. 1, 1955. Every effort was made to make this list as complete and impartial as possible and the editors would appreciate hearing from manufacturers whose products may have been inadvertantly omitted. This Magazine can assume no responsibility for the correctness or completeness of this Directory. Further information regarding any listings contained herein may be obtained by writing directly to the manufacturer or distributor concerned, or preferably, by visiting your favorite model railroad hobby shop.

SPECIAL NOTE: Shorty passenger cars, appearing in both HO and O gauges, are shortened versions of scale length 80 ft. cars, made shorter so as to take the sharper curves found on many model railroads today. 80 ft. cars are not recommended in HO gauge for curves under 24" in radius, O gauge under 48".

Also, in prototype practice, vista-dome cars have not as yet been used by railroads east of Chicago except on the B&O. Because of demand, however, they have been made available for many eastern railroads.

CIRCUS

72 FT. FLAT, WARDIE-JAY

HO. Milled wood flat car body kit only. Special 72 ft fishbelly design for transportation of circus wagons and trucks. Kit price $1.00. Mfrs. catalog of wagon and circus models 35c. Mfrd by Wardie-Jay Mfg. Co.

70 FT. FLAT, WARDIE-JAY

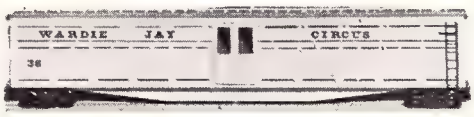
O. Milled wood body parts kit only. Special circus fishbelly design for transportation of circus wagons. Mfr. No. 20, kit price $1.50. This car is too long for tinplate curves. Mfrd. by Wardie-Jay Mfg. Co. Catalog of HO-O gauge circus cars, animals, wagons, etc., 35c.

50 FT. FLAT, WARDIE-JAY

O. For scale and tinplate use, shorty circus flat car body of milled wood parts. Mfr. No. 18, kit price $1.40. Mfrd. by Wardie-Jay Mfg. Co.

50 FT. STOCK, WARDIE-JAY

O. Milled wood body parts less hardware and trucks. Shorty kit for both scale and tinplate use. Mfr. No. 28, kit price $2.75. Mfrd. by Wardie-Jay Mfg. Co.



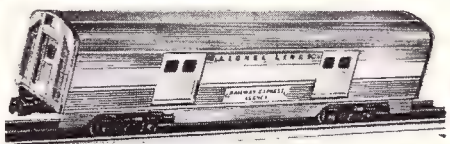
70 FT. STOCK, WARDIE-JAY

O. Milled wood body parts only less hardware and trucks. For transportation of performing circus animals such as horses, elephants, etc. Mfr. No. 30, kit price $2.95. This car is too long for use on tinplate track. Mfrd. by Wardie-Jay Mfg. Co.

RAILCARS, ALL MFRS.

See listings under RAILCARS, Diesel and Electric Locomotive Directory, in Railroad Model Craftsman for Nov. 1954, p. 50-52. Additional listings will also appear shortly under the heading TRACTION and MULTIPLE-UNIT.

BAGGAGE

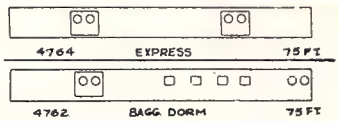


RAILWAY EXPRESS, LIONEL

O tinplate. Extruded aluminum body. 4-whl streamlined pass trucks. Operating knuckle couplers. 16" length. No. 2530 Railway Express baggage car, ready to roll, price $10.95.

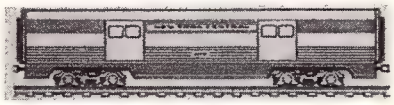
BAGGAGE, AUBURN

O tinplate. Extruded fluted aluminum bodies, sliding doors. Optional polished or fluted roof. AMT Littamatic couplers, mate with Lionel. Road names: Santa Fe, Pennsylvania, New York Central, Southern. Price ready to roll $10.00.



MILW BAGGAGE, WALTHERS

O. Stamped steel sides. Wood roof, floor, underbody parts. Stamped and cast metal detail parts. Decals. Diaphragms. Mfr. No. 4764 Olympian 75'. Mfr. No. 4765 (special order only) 75'. Kit price less trucks $7.25. Mfr. No. 4762 Olympian 75' baggage-dormitory, kit price $7.25.

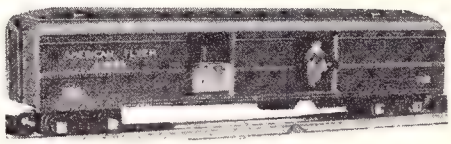


BAGGAGE, AUBURN

HO. Extruded aluminum bodies, all metal construction. Dummy couplers with long shank. Mfr. No. H-008, kit price $7.00.

BAGGAGE, INTERNATIONAL

HO. Sheet brass sides and roof, wood floor. Kupeeze autocouplers. Road names: NYC, ATSF fluted silver. PRR smooth maroon. 4 wheel streamlined trucks. Unpainted kit price $3.50. Kit price painted $4.50. Painted ready to run $7.50. Japanese import by International Models.



OPERATING BAGGAGE, AMERICAN FLYER

S tinplate. 10¾" long detailed molded plastic construction. Brewster green, automatic knuckle couplers, 4 wheel trucks. Man tosses crates out door by remote control. New Haven styling. Mfr. No 732, ready to roll $7.50. Mfrd. by A C Gilbert Co.

RAILWAY EXPRESS, AMERICAN FLYER

S tinplate. Similar to Mfr. No. 732 operating baggage car but non operating. In maroon or dark green molded plastic. Knuckle couplers, 4 wheel trucks, Railway Express lettering. Mfr. No. 951, ready to roll $4.75. Mfrd. by A C Gilbert Co.

BAGGAGE, AMERICAN BEAUTY

HO. Formed steel body, smooth sides and roof, prepainted with striping. Sponge rubber and plastic diaphragms, sprung 4-whl truck kit. 85 ft scale length. Long radius coupler hangers accept all couplers, permit 14" min. rad. curves. Minor drilling required. Road names available: PRR, IC, NYC, UP, C&NW, GN. Kit price $5.95. Mfrd. by American Railroad Models Inc. Kit price 60 ft shorty car for PRR or NYC only, $5.45.

BAGGAGE, BLUE LINE

HO. One piece punched and formed aluminum body, wood floor, prepainted, smooth sides and roof. Cast roof and detail parts, venetian blind decals. Couplers. 85 ft scale length. Road names: NYC, PRR, IC, C&NW, UP, SP. Kit price less trucks $4.95. Mfrd. by Blue Line Products.

BAGGAGE, KASINER

HO-O. Extruded one piece aluminum body, wood floor, die cast parts. Full width diaphragms. Stainless steel Pullman Standard design. Mfr. No. 4, Kit price O gauge 80 ft. baggage mail smooth side kit with 4-whl trucks $8.75. Mfr. No. 20 O gauge scale length baggage car smooth sides less trucks kit price $5.95. Mfr. No. 24 HO gauge 65 ft scale length fluted side baggage car kit less trucks $3.25. Mfr. No. 34 shorty baggage car, fluted sides less trucks $2.95. Mfrd. by Kasiner Hobbies Co.

BAGGAGE, SAMPSON

HO. One piece extruded magnesium body with inert wood floor and die cast metal parts. Narrow rubber diaphragms. Available in following variations all kits less trucks. Mfr. No. SL-18 Shorty baggage fluted sides and roof $3.25. Mfrd. by Sampson Model Co. Inc.

MAIL-BAGGAGE, SAMPSON

HO. Extruded one piece magnesium extrusion with wood insert floor. Narrow rubber diaphragms. Die cast detail parts. Available in following variations, all kits less trucks. Mfr. No. SL-5 80 ft fluted side and roof, $3.75. Mfr. No. SL-16 60 ft shorty fluted side and roof. Mfr. No. SL-100 80 ft smooth side and roof $3.75. Mfr. No. SL-205 80 ft fluted side and smooth roof $3.75. Mfr. No. SL-216 60 ft shorty fluted side and smooth roof $3.25. Mfrd by Sampson Model Co. Inc.

MAIL-BAGGAGE, BLUE LINE

HO. One piece stamped and formed aluminum body, wood floor. Prepainted smooth sides and roof. Die cast detail parts, venetian blind decals, couplers. Road names available: NYC, PRR, C&NW, IC, UP, SP, GN. Kit price 85 ft scale length less trucks $4.95. Mfrd. by Blue Line Products.

POSTAL BAGGAGE, KASINER

HO-O. One piece extruded aluminum body with wood insert floor. Full width sponge rubber diaphragms, die cast detail parts. Pullman Standard stainless steel design. Mfr. No. 13 O gauge postal baggage scale length fluted side kit less trucks $9.95. Mfr. No 13S O gauge shorty postal baggage less trucks $5.95 Mfr. No. 28 HO gauge baggage-postal scale length fluted side less trucks, kit $3.50. Mfr. No. 38 HO gauge 60 ft shorty fluted side kit less trucks, postal-baggage, $2.95. Mfrd. by Kasiner Hobbies Co.

MAIL EXPRESS, AUBURN

O tinplate. Extruded aluminum bodies with either smooth or fluted roof. 4-whl trucks, liftamatic knuckle couplers. Road names: NYC, PRR, Southern, ATSF. Sliding doors. Price ready to roll $12.50.

80' POSTAL, H P PRODUCTS

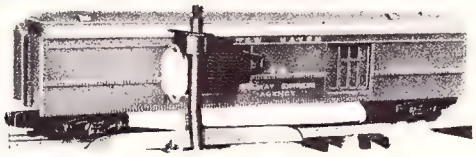
TT. Stamped and formed aluminum fluted body. Stamped metal trucks. HP autocouplers. Simple assembly. No. 251 kit price $3.25. Assembled $4.25.

MILW RPO, WALTHERS

O. Stamped steel sides. Wood body and underfloor detail. Cast and stamped metal parts. Decals, diaphragms. Mfr. No. 4763 75' Olympian mail-express, kit price less trucks $7.25. Mfr. No. 4615 60' mail, kit price less trucks $6.95.

STREAMLINE, WALTHERS

O. Stamped steel sides, wood body parts. Decals, full width diaphragms. Metal corrugated overlays and wood skirt where required. Mfr. No. 4851 80' postal, kit price less trucks $...



OPERATING MAIL, AMERICAN FLYER

S tinplate. Detailed molded plastic body construction. Knuckle couplers. 4-whl trucks. Mail sacks loaded and unloaded by remote control. New Haven-Boston & Maine lightweight car design. Mfr. No. 918, ready to roll $7.50. Mfrd by A C Gilbert Co.

MAIL-BAGGAGE, AMERICAN BEAUTY

HO. Formed steel body, prepainted smooth sides and roof. End blocks. Spong rubber diaphragms, sprung 4-whl truck kits. Long radius coupler hangers accept all make couplers, permit 14" min radius. 85 ft length. Road names: NYC, PRR, GN, C&NW, IC, UP. Kit price $5.95. Mfrd by American Railroad Models Inc. Kit price 60 ft shorty car for PRR or NYC only, $5.45.

BAGGAGE-CLUB, AMERICAN FLYER

S tinplate. Detailed molded plastic construction in maroon or dark green. Knuckle couplers, 6-wheel cast trucks. Standard Pullman designing with monitor roof. Length 12". Mfr. No. 953, ready to roll $7.95. Mfrd. by A C Gilbert Co.

SHORTY COMBO, VARNEY

HO. All steel construction, formed and stamped lithographed bodies. Road names: B&O, IC, GN, SP. 4-whl trucks. Simple assembly. Kit price $3.50. Ready to roll, mfr. No. 2470, price $4.50.

COMBINE, BLUE LINE

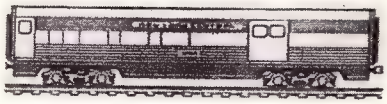
HO. Stamped and formed aluminum body, smooth sides and roof, prepainted. Full width sponge rubber diaphragms, die cast detail parts, venetian blind window decals. Couplers. Road names: GN, UP, SP, IC, NYC, PRR. 85 ft scale length. Kit price less trucks $4.95. Mfrd. by Blue Line Products.

COMBINE, AMERICAN BEAUTY

HO. Formed steel body, prepainted, smooth sides and roof prepainted. End blocks, sponge rubber full width diaphragms. 4-whl sprung trucks (kit), long radius coupler hangers accept all make couplers, permit 14" min. radius. Road names: NYC, IC, PRR, C&NW, UP, GN. Kit price $5.95. Mfrd. by American Railroad Models Inc. Kit price 60 ft shorty car available for NYC or PRR only, $5.45.

BAGGAGE-CLUB, WALTHERS

O. Stamped steel sides. Wood body parts, decals, full width rubber diaphragms. Corrugated metal overlays, skirt if required. Mfr. No. 4852S 80' baggage-club car, kit price less trunks $6.75.



BAGGAGE-CREW, AUBURN

O tinplate. Extruded fluted aluminum bodies, knuckle couplers, 4-whl trucks. Road names: ATSF, PRR, NYC, Southern. Ready to roll $12.50. Smooth top $1.00 extra.

BAGGAGE-CREW, AUBURN

HO. Similar to Auburn O gauge tinplate car but with dummy MCB couplers and for use on standard HO track. Mfr. No. H-007 $7.00.

COMBINE, INTERNATIONAL

HO. Sheet brass body construction with wood floor. Kupeeze auto couplers, 4-whl trucks. Road names: NYC, ATSF in fluted silver. PRR in smooth maroon. Unpainted kit price $4.00. Painted kit price $5.00. Painted ready to roll $8.00. Japanese import by International Models Inc.

BAGGAGE-CLUB, AMERICAN FLYER

S tinplate. Satin silver finish detailed molded plastic body on heavy metal chassis. Knuckle couplers, 4-whl streamline type cast metal trucks. Length 12½", choice of red, blue, green, chestnut trim. Mfr. No. 960, ready to roll $7.95. Mfrd. by A C Gilbert Co.

COMBINE, KASINER

HO-O. One piece fluted aluminum body with insert wood floor. Die cast detail parts. Full width sponge rubber diaphragms. Stainless steel Pullman Standard design. Mfr. No. 6 O gauge 80 ft scale length kit less trucks $9.95. Mfr. No. 15 O gauge shorty kit less trucks $5.95. Mfr. No. 25 HO gauge 80 ft scale length kit less trucks $3.75. Mfr. No. 35 HO gauge shorty kit less trucks $2.95. Mfrd. by Kasiner Hobbies Co.

COMBINES, SAMPSON

HO. One piece extruded magnesium body with wood insert floor. Die cast detail parts, narrow rubber diaphragms. Available in assorted lengths and sides, all kits less trucks, as follows. Mfr. No. SL-4 80 ft. baggage-tavern-lounge with fluted sides and roof, $3.75. Mfr. No. SL-11 60 ft shorty combine with fluted sides and roof, $3.25. Mfr. No. SL-204 80 ft combine fluted sides and smooth roof, $3.75. Mfr. No SL-211 60 ft combine fluted sides and smooth roof $3.25. Mfrd. by Sampson Model Co., Inc.

SHORTY COACH, VARNEY

HO. Stamped and formed steel construction, completely lithographed in full color. Streamlined. 4-whl trucks. Simple assembly. Road names: B&O, SP, IC, GN. Kit price $3.50. Ready to roll, same as above, mfr. No. 2471, $4.50.

AMAZING SPECIALS

HO Railroad Crossing Blinkers, 2 for 30c p.p.
O 2 Gas Pumps & Attendant ---- 50c p.p.
Tom Thumb Trees Kit ---------- $2.00 p.p.
Kit makes over 50 trees — 3" high
HO Hand Car ---------- $1.00 p.p.

Send 10c stamp or coin, Catalog No. 2
Over 600 superbly detailed cast metal items, illustrated, both HO and O, from signal bridges to suitcases.

"Ask Your Dealer"

SELLEY INC. 744 Clay St. Dept 20 Winter Park, Fla.

When writing to advertisers, please mention Railroad Model Craftsman

FLASH

The COMBINATION CAR is HERE

Get It At Your Dealers

- THE SAME EASY CONSTRUCTION, SUPERB DETAILS AS HI-BALLER'S OTHER "GOLDEN ERA" FLAT TOPS.

$3.95 Each — Complete with Link and Pin Couplers, Less Trucks

HI-BALLER'S CORPORATION
BURBANK, CALIFORNIA

Clover Decals

O — HO — S

PRIVATE ROAD NAMES
HERALDS AND SLOGANS
See your Dealer first
Post card brings sample and information
RUSS CLOVER Box 449 Santa Monica, Calif.

LOBAUGH
MICROMETER PRECISION

NEW! LOBAUGH 1955 CATALOG

Featuring U.P. 3900 Challenger and other new Lobaugh kits. Send 25c in stamps or coins for your copy . . . TODAY!

ROLLIN J. LOBAUGH
930 Linden Ave., So. San Francisco, Cal.

CANNONBALE PRODUCTS
enters

The KING of all gauges "O" gauge scale
Lost wax Locomotive fittings. Front end number plates etched in bold relief in brass. Builders plates will also be available shortly. Dealers inquiries invited.

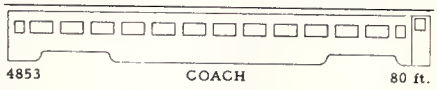
WESLEY MANUFACTURING COMPANY
6045 ALLOTT AVE. VAN NUYS, CALIF.

GIANT 88 PAGE CATALOG
For 'O' Gauge Model Railroaders
Combined Scale and Tinplate **75c**
Credit coupon in each catalog good for 75c with first purchase of $5.00.
Greatest Variety in 'O' Gauge-Steam Loco's, Diesels, Cars and Parts Galore.

ALL-NATION HOBBY SHOP
182 N. LaSalle St. Chicago 1, Ill.
Dept. RMC

80' COACH, H P PRODUCTS

TT. Stamped and formed aluminum body. 4-whl stamped metal trucks, 2-rail. HP autocouplers. Simple assembly. No. 250 kit price $2.75. Assembled $3.75.

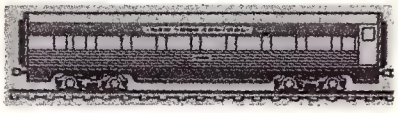


COACHES, WALTHERS

O. Stamped sheet steel sides. Wood body parts. When necessary, corrugated metal overlays for fluting included. Also wood skirts. Decals, full width rubber diaphragms. Mfr. No. 4853 coach 80' streamlined, kit price less trucks $6.75. Mfr. No. 4844 Milwaukee Olympian 80' coach, kit price less trucks $7.25. Mfr. No. 4833 Milwaukee Hiawatha 1935 80' coach (made to special order 30-60 day waiting), kit price less trucks $7.25.

LIGHTWEIGHT COACH, WALTHERS

O. Stamped sheet steel sides. Semi-streamlined design as used on MEC, B&M, NH, LV, BAR, and N&W. Wood body and detail parts. Wood skirt optional. Decals, diaphragms, AAR dummy couplers. Mfr. No. 4841 kit price less trucks $8.25.



DAY COACH, AUBURN

O tinplate. Extruded fluted aluminum body. 4-whl trucks, Liftamatic couplers. Road names: NYC, ATSF, PRR, Southern. Ready to roll $10.00. Polished smooth roof $1.00 extra.

DAY COACH, AUBURN

HO. Fluted aluminum extruded body, dummy AAR couplers. 60' length. Mfr. No. H-006 kit price $6.00.

COACH, STROMBECKER

HO. Refer to Diesel Directory RMC Nov. 1954 Pg. 46 for streamline train operating and display models sold as sets.

COACH, BLUE LINE

HO. Stamped and formed aluminum body, wood floor. Die cast detail parts. Full width sponge rubber diaphragms. Prepainted smooth sides and roof. Couplers. Venetian Blind decals. Center sill. Road names: NYC, PRR, IC, GN, SP, UP, C&NW. Kit price less trucks $4.95. Mfrd by Blue Line Products.

DAY-NIGHT COACH, BLUE LINE

HO. Stamped and formed aluminum body, wood floor. Prepainted smooth sides and roof; full width sponge rubber diaphragms. Couplers, venetian blind decals. 85 ft scale length. Die cast detail parts. Center sill. Road names: NYC, PRR, IC, C&NW, UP, SP, GN. Kit price less trucks $4.95. Mfrd. by Blue Line Products.

COACH, KASINER

HO-O. One piece fluted aluminum body extrusion with insert wood floor. Die cast detail parts, full width rubber sponge diaphragm. Pullman Standard design, of stainless steel. Mfr. No. 3 O gauge 80 ft NYC coach kit less trucks $9.95. Mfr. No. 14 O gauge shorty coach kit less trucks $5.95. Mfr. No. 21 80 ft scale length kit less trucks $3.50. Mfr. No. 31 60 ft HO gauge Shorty kit less trucks $2.95. Mfrd. by Kasiner Hobbies Co.

COACH, INTERNATIONAL

HO. Sheet brass body construction, wood floor. Kupeeze auto couplers, 4-whl trucks. Road names: NYC, ATSF fluted silver. PRR in smooth maroon. Unpainted kit price $3.50. Painted kit price $4.50. Price painted ready to roll $7.50. Japanese import by International Models Inc.

COACH, AMERICAN BEAUTY

HO. Formed steel body, prepainted, smooth sides and roof. End blocks, full width sponge rubber diaphragms. 4-whl sprung trucks (kit). Long radius coupler hangers accept all makes couplers, permit 14" min. rad. 85 ft scale length. Road names: IC, C&NW, UP, NYC, PRR, GN. Kit price $5.95. Mfrd. by American Railroad Models Inc. 60 ft shorty version of above for PRR or NYC only, kit price $5.45.

COACH, AMERICAN FLYER

S tinplate. Satin silver finish molded plastic body on metal chassis. Knuckle couplers, 4 wheel streamlined type cast metal trucks. Passengers silhouetted in windows. Length 12½". Illumination. Choice of red, blue, green, or chestnut trim. Mfr. No. 961, ready to roll $7.95. Mfrd by A C Gilbert Co.

DAY-NIGHT COACH, AMERICAN BEAUTY

HO. Formed steel body and otherwise identical with Amecican Beauty coach listed above but with different window arrangement. Same road names, kit price $5.95 for 85 ft scale length. 60 ft shorty car NYC or PRR only, kit $5.45. Mfrd. by American Railroad Models Inc.

PENDULUM CAR, AMERICAN BEAUTY

HO. Formed steel body prepainted, smooth sides and roof. End blocks, full width sponge rubber diaphragms. 4-whl sprung trucks (kit). Long radius coupler hangers permit 14" min. rad. Odd oval shaped windows. This is an experimental car and available only with Great Northern paint. Kit price $5.95. Mfrd. by American Railroad Models Inc.

COACH, SAMPSON

HO. One piece extruded magnesium body with insert wood floor, die cast metal parts and narrow rubber diaphragms. Available in several lengths and types as follows, all kits less trucks. Mfr. No. SL-coach fluted sides and roof 80 ft $3.75. Mfr. No. SL-12 shorty 60 ft coach fluted sides and roof $3.25. Mfr. No. SL-101 80 ft Day-Night coach smooth side and roof unpainted $3.75. Mfr. No. SL-102 80 ft coach smooth side and roof unpainted $3.75. Mfr. No. SL-201 80 ft coach fluted sides and smooth roof $3.75. Mfr. No. SL-212 60 ft shorty coach fluted sides and smooth roof $3.25. Mfrd by Sampson Model Co. Inc.

PARLOR CAR

PARLOR CAR, WALTHERS

O. Stamped sheet steel sides. Wood body parts and underfloor detail. Decals, diaphragms, AAR dummy couplers. Milwaukee Road Olympian 80' design. Mfr. No. 4846 parlor car kit price less trucks $7.25. (Note: see also solarium cars).

PARLOR, SAMPSON

HO. One piece extruded magnesium extrusion with insert wood floor. Narrow rubber diaphragms, hardware. Fluted sides and roof, scale 80 ft length. Mfr. No. SL-3. Kit price less trucks $3.75. Mfrd. by Sampson Model Co. Inc.

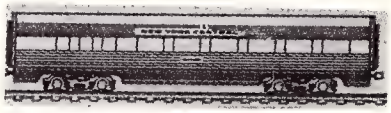
LOUNGE CAR, WALTHERS

O. Stamped steel sides. Wood body and underfloor parts. Decals, diaphragms, AAR dummy couplers. Stamped and cast metal fittings. Mfr. No. 4842 lightweight car as used on NH, BAR, MEC, N&W, LV, with optional skirt, kit price less trucks $8.25.

DINING CAR

80' DINER, H P PRODUCTS

TT. Stamped and formed fluted aluminum body. HP autocouplers. Stamped 4-whl metal trucks. Simple assembly. Kit No. 254 price $3.25. Assembled $4.25.



DINING CAR, AUBURN

O tinplate. Extruded fluted aluminum body. 4-whl trucks, Liftamatic couplers. Road names: NYC, PRR, ATSF, Southern. Price ready to roll $10.00.

ATLAS

takes the **WORK** out of **TRACK WORK**

you actually get more hours of

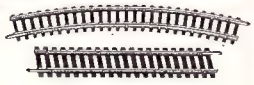
SMOOTH OPERATING FUN

with these time-saving, money-saving ATLAS products

"HO" Gauge
CURVABLE TRACK

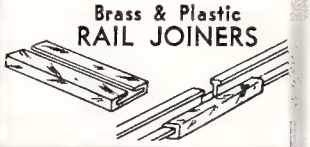
SWITCH KITS
ASSEMBLED SWITCHES

Single and Double
CROSSOVERS

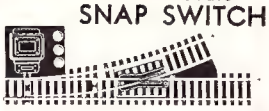


Straight and Curved
SNAP TRACK

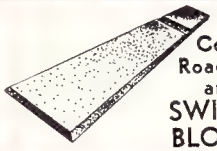
"HO" CROSSINGS



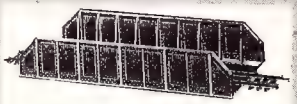
Brass & Plastic
RAIL JOINERS



"HO" Scale
SNAP SWITCH



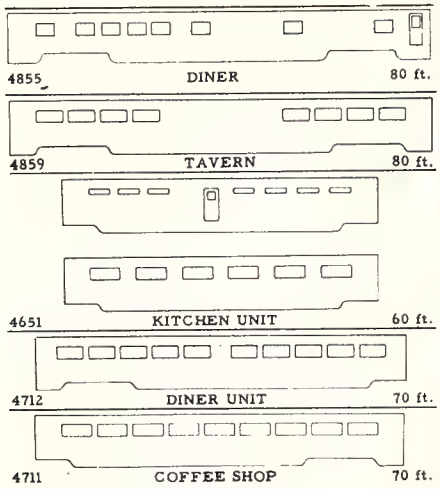
Cork
Roadbed
and
SWITCH
BLOCKS



GIRDER BRIDGE
with built in Snap-Track

and many, many more fine track products

ATLAS TOOL CO., 413 FLORENCE AVE., HILLSIDE, N. J.



DINING CARS, WALTHERS

O. Stamped steel sides. Wood body and underfloor parts. Stamped and die cast parts. Diaphragms, decals. Where required, corrugated metal overlays for fluting, wood skirts. Mfr. No. 4651 streamlined kitchen unit 60' kit price less trucks $6.50. Mfr. No. 4712 diner unit, companion car to No. 4651, streamlined 70' kit price of sides only $1.95. Mfr. No. 4711 coffee shop 70' streamlined sides only $1.95. Mfr. No. 4885 80' streamlined diner $6.75. Mfr. No. 4847 Milwaukee Olympian Lunch lounge 80' kit price less trucks $7.25. Mfr. No. 4843 Milwaukee Olympian diner 80' kit price less trucks $7.25. Mfr. No. 4766 Milwaukee 1935 Hiawatha diner (to order only, 30-60 day wait) kit price less trucks $7.25.

DINING CAR, AUBURN

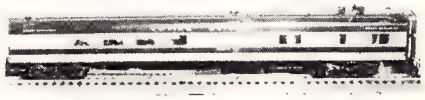
HO Shortie. 60' scale length. Extruded aluminum body, all metal. Dummy AAR couplers. Mfr. No. H1005 kit price $6.00.

DINER, INTERNATIONAL

HO. Stamped brass body construction, wood floor. Kupeeze auto couplers, 4-whl trucks. Road names: NYC, ATSF in fluted silver. PRR in smooth maroon. Kit price unpainted $3.50. Kit price painted $4.50 Price painted ready to roll $7.00. Japanese import by International Models Inc.

DINER, AMERICAN BEAUTY

HO. Formed steel body prepainted with smooth sides and roof. End blocks, sponge rubber full width diaphragms. 4-whl sprung trucks (kit). Long radius coupler hangers accept all make couplers, permit 14" min. rad. Road names: NYC, PRR, ICC, GN, C&NW, UP. Kit price 85 ft scale length car $5.95. Kit price 60 ft shorty car PRR or NYC only, $5.45. Mfrd. by American Railroad Models Inc.



DINER, BLUE LINE

HO. Stamped and formed aluminum body, wood floor. Prepainted smooth sides and roof. Die cast detail parts. Full width sponge rubber diaphragms. Couplers, center sill. 85 ft scale length. Road names: C&NW, GN, SP, UP, NYC, PRR, IC. Kit price less trucks $4.95. Mfrd. by Blue Line Products.

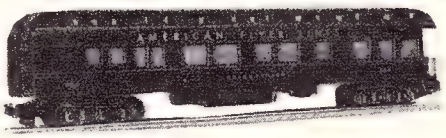
DINING CAR, KASINER

HO-O. One piece fluted aluminum extrusion, with wood insert floor. Full width diaphragm of sponge rubber. Die cast detail parts. Stainless Steel Pullman Standard design. Mfr. No. 5 80 ft O gauge scale length smooth side car kit less trucks (this car requires painting), $8.95. Mfr. No. 12 80 ft O gauge scale length fluted side car kit less trucks $9.50. Mfr. No. 27 HO gauge fluted 80 ft scale length car kit less trucks $3.50. Mfr. No. 37 60 ft shorty HO gauge fluted side car kit less trucks $2.95. Mfr. No. 17 O gauge shorty fluted side car kit less trucks $5.95. Mfrd. by Kasiner Hobbies Co.

DINING CARS, SAMPSON

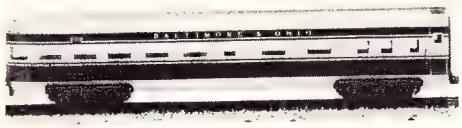
HO. One piece extruded magnesium body with insert wood floor. Rubber narrow diaphragms, hardware. Available in several versions, all less trucks as follows: Mfr. No. SL-6 80 ft Budd fluted side and roof design $3.75. Mfr. No. SL-13 60 ft shorty diner fluted sides and roof $3.25. Mfr. No. SL-104 smooth side and roof 80 ft length ACF styling $3.75. Mfr. No. SL-206 80 ft fluted side and smooth roof Pullman Standard styling $3.75. Mfr. No. SL-213 60 ft shorty fluted side and smooth roof $3.25. Mfrd. by Sampson Model Co. Inc.

OBSERVATION



OBSERVATION, AMERICAN FLYER

S tinplate. Detailed molded plastic construction. Knuckle couplers, 6-whl cast metal trucks. Length 12". Rear platform. Hinged door. Illuminated. Monitor roof, standard Pullman styling. Choice of maroon or dark green. Mfr. No. 954, ready to roll $8.95. Mfrd. by A C Gilbert Co.

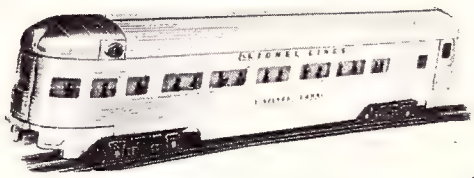


SHORTY SOLARIUM, VARNEY

HO. Formed steel sheet construction, sides lithographed in full color. 4-whl pass trucks. Rear roof lite. Road names: PRR red-gold, SP Orange-red, IC brown-orange, GN green-orange. Kit price $3.95. Ready to roll, mfr. No. 2472, same as above $4.95.

2436 SOLARIUM, LIONEL

O-27 tinplate. Detailed plastic body with operating knuckle couplers, 4-whl streamlined trucks, interior lighting. Length 11½". Mfr. No. 2436 "Summit," ready to roll $7.95.



OBSERVATION CAR, LIONEL

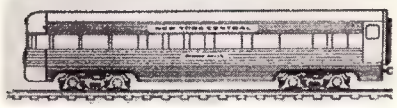
O tinplate. Extruded aluminum body, interior lighting. Length 16". Operating knuckle couplers, 4-whl pass trucks. Operating marker lights. No. 2531 Silver Dawn, ready to roll, price $10.95.

OBSERVATION CAR, H P PRODUCTS

TT. Stamped and formed aluminum body. Stamped metal trucks. HP autocouplers. 80' scale length. No. 253 kit price $3.75. Assembled $5.50.

OBSERVATION CARS, WALTHERS

O. Stamped steel sides. Wood body and underfloor parts. Stamped and formed metal detail parts. Cast metal detail parts. Decals, diaphragms. Where required, corrugated metal foil overlay for fluting and wood skirt also available. Mfr. No. 4858S 80' observation round end. Kit price less trucks $7.95. Mfr. No. 4834 Milw Hiawatha 1935 parlor Beavertail 80' car, kit price less trucks $9.95 (to special order 30-60 day wait).



OBSERVATION CAR, AUBURN

O Tinplate. Extruded fluetd aluminum body. Liftamatic couplers, 4-whl trucks. Road names: NYC, PRR, ATSF, Southern. Ready to run, $11.00. Smooth polished roof, $1.00 extra.

OBSERVATION CAR, AUBURN

HO Shortie. 60 ft scale length. Extruded fluted aluminum body. Simple assembly. Dummy AAR couplers, 4-whl trucks. Mfr. No. H-003, kit price $6.00.

OBSERVATION, INTERNATIONAL

HO. Sheet brass body construction, wood floor. Kupeeze auto-couplers, 4-whl trucks. Road names: NYC, ATSF fluted silver. PRR in smooth maroon. Kit price unpainted $5.00. Kit price painted $6.50. Price painted ready to roll $10.00. Japanese import by International Models Inc.

SOLARIUM, AMERICAN FLYER

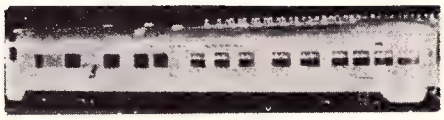
S tinplate. Satin finish molded plastic body of metal chassis. Illuminated with silhouetted passengers. Knuckle couplers, 4-whl trucks with cast metal frames. Red warning light on rounded end. Choice of red, blue, green, chestnut trim. Length 12½". Mfr. No. 963, ready to roll $8.95. Mfrd. by A C Gilbert Co.

OBSERVATION, AMERICAN BEAUTY

HO. Formed steel body prepainted, smooth sides and roof. End blocks, full width sponge rubber diaphragms. 4-whl sprung trucks (kit), long radius coupler hangers accept all make couplers, permit 14" min rad. Road names: IC, GN, UP, C&NW, PRR, NYC. Kit price 85 ft scale length car $6.95. Kit price 60 ft shorty car NYC or PRR only $6.45. Mfrd. by American Railroad Models Inc.

OBSERVATION, BLUE LINE

HO. Stamped and formed aluminum body. Prepainted smooth sides and roof. Full width sponge rubber diaphragm. Die cast detail parts. Venetian blind decals, couplers, center sill. Road names: NYC, PRR, IC, C&NW, UP, SP, GN. 85 ft scale length. Kit price less trucks $5.95. Mfrd. by Blue Line Products.

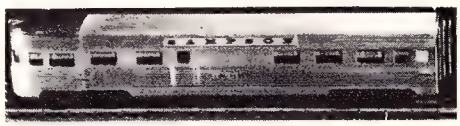


OBSERVATION, KASINER

HO-O. One piece fluted aluminum body extrusion with wood insert floor. Full width sponge rubber daiphragms, die cast detail parts. Pullman Standard design. Mfr. No. 7 80 ft scale length O gauge kit less trucks $5.95. Mfr. No. 19 O gauge shorty kit less trucks $5.95. Mfr. No. 23 O gauge 80 ft scale length kit less trucks $4.50. Mfr. No. 33 HO Gauge Shorty kit less trucks $3.50. Mfrd. by Kasiner Hobbies Co.

OBSERVATION, KASINER

O. Identical kits to Mfr. No. 7, above, but with smooth sides. Mfr. No. 80 ft scale length kit less trucks $12.50. Mfrd. by Kasiner Hobbies Co.



OBSERVATION CARS, SAMPSON

HO. One piece extruded magnesium body with wood floor insert, narrow rubber diaphragm, rounded end, and hardware. All kits less trucks. Available in following styles. Mfr. No. SL-7 tavern-obs 80 ft Budd fluted side and roof $3.75. Mfr. No. SL-14 60 ft shorty obs fluted side and roof $3.75. Mfr. No. SL-107 obs lounge ACF smooth side and roof 80 ft $3.75. Mfr. No. SL-207 observation 80 ft fluted sides and smooth roof $3.75. Mfr. No. SL-214 60 ft shorty obs fluted sides and smooth roof $3.25. Mfrd. by Sampson Model Co. Inc.

MISCELLANEOUS

ASTRA DOME, BLUE LINE

HO. Stamped and formed aluminum body, wood floor. 85 ft scale length. Prepainted smooth sides and roof. Die cast detail parts. Full width sponge rubber diaphragms, center sill, couplers. Road names: NYC, PRR, IC, C&NW, UP, SP, GN. Kit price less trucks $5.95. Mfrd. by Blue Line Products.

ASTRA DOME, KASINER

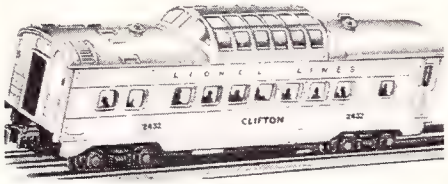
HO-O. Extruded one piece aluminum body with fluting, insert wood floor piece. Die cast detail parts, full width rubber diaphragm. Pullman Standard stainless steel design. Mfr. No. 10 O gauge 80 ft scale length kit less trucks $11.95. Mfr. No. 18 O gauge shorty kit less trucks $5.95. Mfr. No. 22 80 ft scale length HO gauge kit less trucks $3.95. Mfr. No. 32 HO gauge 60 ft shorty car kit less trucks $2.95. Mfrd. by Kasiner Hobbies Co.

VISTA-DOME, SAMPSON

HO. One piece extruded magnesium body with wood insert floor, narrow rubber diaphragms, hardware. Available in following versions, all kits less trucks: Mfr. No. SL-8 80 ft vista-dome coach Budd fluted sides and roof $3.75. Mfr. No. SL-17 60 ft shorty fluted sides and roof $3.25. Mfr. No. SL-108 80 ft coach ACF smooth sides and roof $3.75. Mfr. No. SL-217 60 ft shorty fluted sides and smooth roof $3.25. Mfrd. by Sampson Model Co.

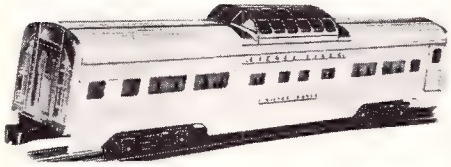
VISTA-DOME OBSERVATION, SAMPSON

HO. One piece extruded magnesium body with wood insert floor, narrow rubber diaphragm, hardware. Budd Company type with fluted sides and roof. Rounded end. Mfr. No. SL-9, kit price less trucks $3.75. Mfrd. by Sampson Model Co. Inc.



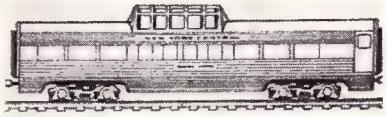
SKYVIEW CAR, LIONEL

O-27 tinplate. Length 11¾". Detailed plasitc body. 4-whl pass trucks. Operating knuckle couplers. Interior illumination. No. 2432 Clifton, ready to roll, $8.95.



VISTA-DOME CAR, LIONEL

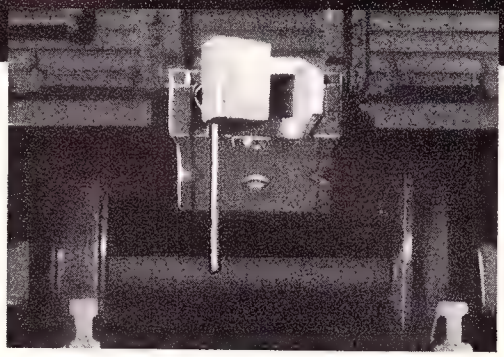
O tinplate. Extruded aluminum body. Interior lights, people in windows. Operating knuckle couplers. 4-whl stream. pass trucks. No. 2532 Silver Range, ready to roll, price $10.95.



VISTA DOME CAR, AUBURN

O tinplate. Extruded fluted aluminum body. Liftamatic couplers, 4-whl trucks. Road names: NYC, PRR, ATSF, Southern. Ready to roll, $11.00.

TAKE NEXT CAR



Yes, indeed, the Kadee coupler is ready and waiting to **"take the next car"** that comes along —and take it it will! From one car to the next—coupling or uncoupling — the Kadee coupler operates with ease and certainty every time. Engineered with care and precision Kadee couplers can best be described as smooth, reliable, and with good prototype appearance. Simple to install, easy to lift out, never a lock out, they couple on as little as a 14" radius. Uphill or downhill grades, inside or outside curves, they eagerly grab the ***next car.***

K-5 Automatic couplers with draft gear.....$0.50
K-4 Automatic couplers without draft gear.. .40

See your local model or hobby shop.

Kadee METAL PRODUCTS CO.

BOX 427 RESEDA, CALIF.

BULK FOLIAGE

FOR MINIATURE LANDSCAPES

Processed Real Life Mosses for Trees,
Forest Clusters, Shrubs and Hedges.
Available in Tropical Green.
Very Durable—easy to use.

LARGE PACKAGE $1.98 Prepaid in U.S.A.

MODEL FORESTS

439 10th Ave. Palmetto, Fla.

TROLLEY TALK

An illustrated newsletter for all gauges. Model and prototype features.

No. 1—Operation; Kentucky—free
No. 2—Controls; C&LE—20c.
No. 3—Underbody; Cleveland—20c

To receive each copy as released send $1.00 for five issues. State which issue begins subscription.

59 Euclid Ave. Cincinnati 15, Ohio

EASTERN TRACTION MODELS

LIST AVAILABLE

More Kits, without Power if desired, Lower Prices.

PINE HILL TER. STAMFORD, CONN.

NEW-TYPE PERMANENT BINDER

for Railroad Model Craftsman

- Do your own binding in minutes
- Easy to follow instructions
- Hacksaw and handy holder included with first purchase
- Opens as flat as a bound book
- Durable, maroon imitation leather cover
- Stamped with name, year, volume number
- Monthly issues may be removed if desired
- Holds 12 issues

Single binder $3.50 each
Two or more $3.00 each
Postage prepaid in U. S.
Foreign Countries extra.

ORDER TODAY—SATISFACTION GUARANTEED

Suckert Loose-Leaf Cover Co.
234 W. Larned St.
Detroit 26, Michigan

Enclosed find $ ..... Please send me ..... binders for RAILROAD MODEL CRAFTSMAN for volume ..... I understand if they are not satisfactory, I can return them for refund within ten days.

Name .....

Address .....

City ..... Zone..... State.....

PITTMAN
"O" GAUGE

MODEL TRACTION PRODUCTS

501	Passenger Trolley Body Kit	$4.95
512	Freight Trolley Body Kit	7.50
520	Work Car Body Kit	6.95
AC-212	Motor Truck—tinplate	7.50
AC-213	Motor Truck—scale	7.70
DC-213	Motor Truck—scale—Permag	8.00
AC-511	Twin Motor Trucks—tinplate	17.95
AC-511½	Motor Truck—tinplate	9.00
AC-220	Motor Truck—scale	7.95
AC-221	Motor Truck—tinplate	7.95
209T	Trail Truck—scale	1.50
212T	Trail Truck—tinplate	1.25
213T	Trail Truck—scale	1.45
511TCS	Trail Truck—tinplate	2.50
230G	Geared Truck—scale ..... each	4.95
AC-230	Motor	8.00
DC-230	Motor	8.00
75-36A	Third Rail Shoe	1.25
75-31	Erect-a-pole—single	.35
75-32	Erect-a-pole—double	.45
16BS36	Erect-a-wire	.75
20-136	Hanger Clips	.35
75-33	Erect-a-frog R.H.	.35
75-34	Erect-a-frog L.H.	.35
75-26	Trolley Pole	.75
20-129	Scale Frog ..... 2 for	.15
75-37	Radial Draw Bar ..... pair	.75
75-39	Scale Couplers ..... pair	.60
75-40	Tinplate Couplers ..... pair	.60
PT1	Tinplate Passenger Trolley Kit	14.95
FT1	Tinplate Freight Trolley Kit	18.95

ILLUSTRATED CATALOG 10c

PITTMAN ELECTRICAL DEVELOPMENTS CO.

BOX 150 • SELLERSVILLE, PA.

PRECISION SWITCHES

formerly manufactured by
MAC JOHNSTON
Elkton, Maryland

NOW AVAILABLE Send your inquiries to:
PRECISION SWITCHES
P. O. Box 1225, Greenwich, Conn.

INTERURBAN BOX CAR

Complete Kit
$25.50
ppd

Precision Wood body, Truss rods, Sprung arch bar Trucks, complete hardware, less couplers.

MODEL TRAMWAY SYSTEM
P. O. Box 721 OLD GREENWICH, CONN.

MAGNETS

ASSORTED MAGNETS with big list of handy uses . 5 for $1
POWERFUL POCKET MAGNET ideal for testing metals . . $1
RETRIEVING MAGNET pulls tools, etc., from tank or lake $4
HOT PAD MAGNETS to insert in your own hot pads . . . . . 8 for $1
BULLETIN BOARD MAGNETS to "pin-up" memos, etc. . . . . 8 for $1
SLENDER MAGNETS remove chips from drill holes . . . . . 2 for $1
Write for Free Booklet . . . 100% Satisfaction Guaranteed

Postpaid
PARK MAGNET CO.
1557 Greenbay Rd., Dept. RM Highland Pk., Ill.

Shop by mail from Sattler's HO Depot for all your HO supplies — We are as close as your mail box.

- $2.00 order or more postpaid
- Our famous catalog only 50c

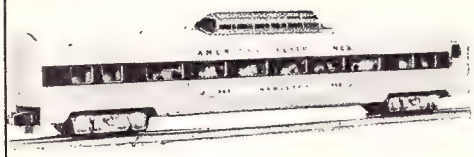
(Refundable on first $5. order)

If it's HO we have it or can get it

SATTLER'S HO DEPOT
1510 Cedar Ave. P.O. Box 113 Cincinnati 24
4 to 9 Weekdays, 9 to 9 Sat. Phone MU-0186
Approved Mantua Tyco Service Station

VISTA-DOME, INTERNATIONAL

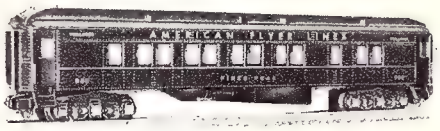
HO. Sheet brass body construction, wood floor. Kupeeze auto-couplers, 4-wheel trucks. Road names: NYC, ATSF in fluted silver. PRR in smooth maroon. Kit price unpainted $4.00. Kit price painted $6.00. Price painted ready to roll $9.00. Japanese import by International Models Inc.



VISTA-DOME, AMERICAN FLYER

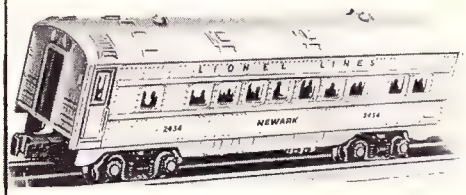
S tinplate. Satin finish silver molded plastic body on metal chassis. Knuckle couplers, illuminated, 4-whl cast metal trucks. Clear plastic dome. Length 12½". Choice of red, blue, green, chestnut trim. Mfr. No. 962, ready to roll, $8.95. Mfrd. by A C Gilbert Co.

PULLMAN SLEEPER



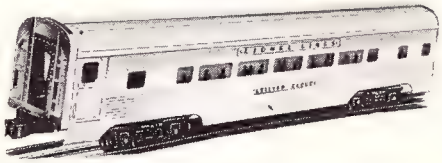
STANDARD PULLMAN, AMERICAN FLYER

S tinplate. Molded detailed plastic construction with monitor roof, rivets. Knuckle couplers, 6 wheel cast metal trucks. 12" length. Choice of deep green or maroon color. Mfr. No. 952, ready to roll, $7.95. Mfrd. by A C Gilbert Co.



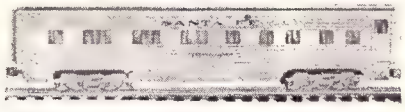
PULLMAN CAR, LIONEL

O-27 tinplate. Detailed plastic cast body. Interior illumination, operating knuckle couplers. 4-whl pass trucks. No. 2434 Newark, No. 2435 Elizabeth. Length 113¾". Ready to roll, price $7.95.



PULLMAN CAR, LIONEL

O tinplate. Extruded aluminum body, fluted sides. 4-whl streamlined trucks, interior lights, operating knuckle couplers. People in windows. Length 16". No. 2533 Silver Cloud, No. 2434 Silver Bluff. Ready to roll, price $9.95.



ROOMETTE CAR, AUBURN

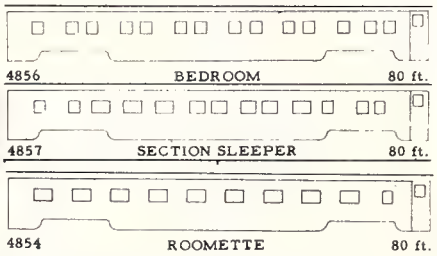
O tinplate. Extruded aluminum fluted body. Lifta-matic couplers, 4-whl trucks. Road names: NYC, PRR, Southern, ATSF. Ready to roll, $10.00.

ROOMETTE PULLMAN, AUBURN

HO Shortie. Extruded fluted aluminum body. All metal. 4-whl trucks. Simple assembly. 60 ft length. Kit price $6.00.

80' PULLMAN, H P PRODUCTS

TT. Stamped and formed aluminum body. Stamped metal trucks. HP autocouplers. Simple assembly. No. 252 kit price $3.25. Assembled $4.25.



SLEEPERS, WALTHERS

O. Stamped steel sides. Wood body and underfloor parts. Stamped and cast metal detail parts. Decals, diaphragms, dummy AAR couplers. Where required corrugated metal foil for fluting and wood skirting included. Mfr. No. 4856 Bedroom 80'. Mfrd. No. 4875 section sleeper. Kit price less trucks $6.75. Mfr. No. 4854 80' roomette kit price less trucks. $6.75.

SLEEPER, INTERNATIONAL

HO. Stamped sheet brass body construction, wood floor. Kupeeze auto-couplers, 4-whl trucks. Road names: NYC, ATSF in fluted silver. PRR in maroon. Kit price unpainted $3.50. Kit price painted $4.50. Price painted ready to roll $8.00. Japanese import by International Models Inc.

ROOMETTE, AMERICAN BEAUTY

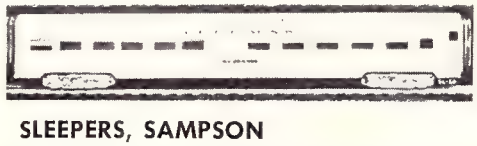
HO. Formed steel body prepainted, smooth sides and roof. End blocks, sponge rubber full width diaphragms. 4-whl sprung trucks (kit), long radius coupler hangers accept all make couplers, permit 14" min radius. Road names: NYC, PRR, IC, GN, UP, C&NW. Kit price 85 ft scale length car $5.95. Kit price 60 ft shorty car for PRR or NYC only $5.45. Mfrd. by American Railroad Models Inc.

18 ROOMETTE, BLUE LINE

HO. Stamped and formed aluminum body, wood floor. Die cast detail parts. Prepainted smooth sides and roof. Full width sponge rubber diaphragm. Center sill, couplers. Road names: NYC, PRR, GN, UP, SP, IC, C&NW. Kit price 85 ft scale length car $4.95 less trucks. Mfrd. by Blue Line Products.

ROOMETTES, KASINER

HO-O. One piece extruded aluminum body, smooth or fluted as noted. Die cast detail parts, full width sponge rubber diaphragms. Pullman Standard design. Mfr. No. 1 O Gauge 80 ft scale length 18 Roomette smooth side kit less trucks $8.95. Mfr. No. 2 O Gauge 80 ft scale length 24 Duplex Roomette smooth side kit less trucks $8.95. Mfr. No. 11 O Gauge 80 ft scale length sleeper fluted sides kit less trucks $8.95. Mfr. No. 16 O gauge shorty fluted side sleeper less trucks $5.95. Mfr. No. 26 HO Gauge sleeper 80 ft scale length fluted side kit $3.50. Mfr. No. 36 HO Gauge 60 ft shorty sleeper kit, fluted sides, less trucks, $2.95. Mfrd. by Kaisner Hobbies Co.



SLEEPERS, SAMPSON

HO. One piece extruded magnesium extrusion with insert wood floor, narrow rubber diaphragms, hardware. Available in following different styles, all kits less trucks: Mfr. No. SL-2 80 ft 22 Roomette 80 ft fluted sides and roof $3.75. Mfr. No. SL-20 6 Bedroom 10 roomette 80 ft fluted sides and roof $3.75. Mfr. No. SL-19 4 bedroom 6 roomette fluted sides and roof $3.25. Mfr. No. SL-105 80 ft sections, roomettes, bedrooms ACF smooth sides and roof $3.75. Mfr. No. SL-220 80 ft sleeper fluted sides and smooth roof (Pullman Standard) $3.75. Mfr. No. SL-219 60 ft shorty fluted sides and smooth roof $3.25. Mfrd. by Sampson Model Car Co.

STREET RY CARS

"DINKY," MANTUA

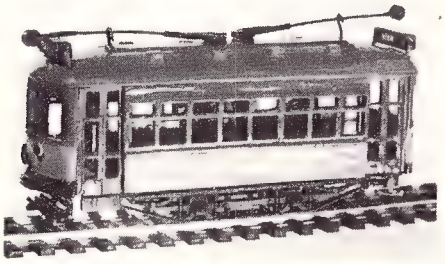
HO. 2 rail with all molded one piece polyethelene body. Yellow with green. 5 pole 12v DC motor, nylon worm and gear. Insulated frame. Min. radius 2¼". 2-rail one wheel pickup. No poles included but can be installed. 5 minute assembly. Mfr. No. 214, kit price $8.95.

STREET CAR SET, TYCO

HO. Completely assembled and ready to run, with the Mantua No. 214 single truck trolley, DC power tube containing 6 flashlight cells, and oval of track. Mfr. No. T-4 set, ready to run $12.95. Mfrd. by Tyler Manufacturing Company.

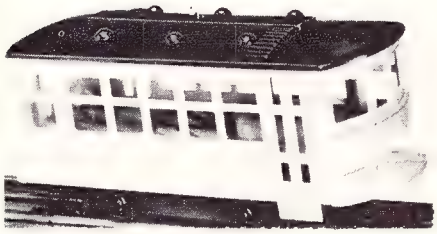
SUPER DETAIL KIT, M T S

HO. Detail kit for Mantua Dinky (Kit No. 214). Includes working pole, fenders, destination route signs, etc. Kit price $2.75. Mfrd. by Model Tramway System.



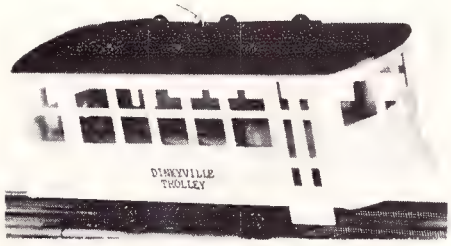
"LITTLE GUY," MODEL TRAMWAY

HO. Built up factory assembled lead base body castings. MTS trolley poles, square type route signs, cast fenders. Mantua trolley power truck, 2-rail. Can be equipped for overhead. Unpainted, ready to run, $11.75.



BIRNEY, KROLL KAR

O tinplate. Assembled, body of detailed yellow plastic sides and red roof. Working headlight. Dummy trolley pole. 6" long, 2¼" wide, 2½" high. Spark gap motor. Simple assembly. Mfrd. by Kroll Kar Co., kit price $3.95.



BIRNEY, E B MILLER

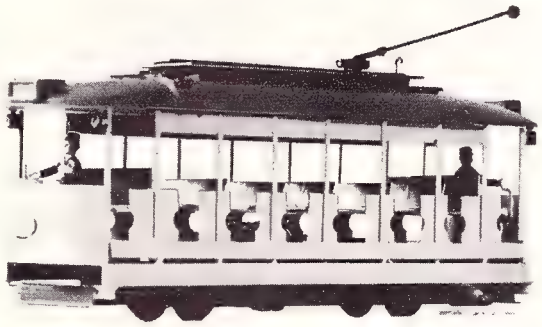
O tinplate. Assembled body of detailed yellow plastic sides and red roof. Working headlight. Dummy trolley pole. 6" long. EMCO AC/DC 10-18 v. motor. Mfr. No. 500, ready to run with "Dinkville Trolley" lettering. Price $5.95.

MORE METAL MODELS in HO by INTERNATIONAL

The OPEN CONEY ISLAND TROLLEY

Fully operating — not a 'dummy' has everything but the

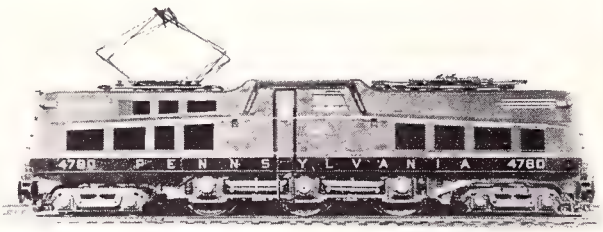
HOT DOGS



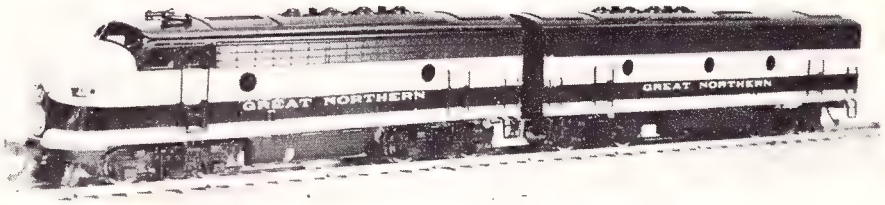
Scaled down version of the original Brooklyn Rapid Transit plans,—this HO trolley has everything, yes even the running board and grab poles. All brass construction except for formed wood roof and floor. Fully operational from overhead wire or 2 rail,—it's powered to perfection by a 12V. DC motor that's guaranteed. Completed, painted, ready-to-run **$15.00**
S.D.A. Prefab kit with motor **$12.00**

The PENNSYLVANIA P-5-A

This authentic HO model was produced from actual plans and photos supplied by Penn R.R. Heavy brass plate superstructure fashioned in one piece with all louvre, window & streamlining detail. Rugged underframe construction with blanked center wheels to permit shorter radius operation. Goes together with simple Screw Driver Assembly. Complete with powerful 12V DC motor **$33**



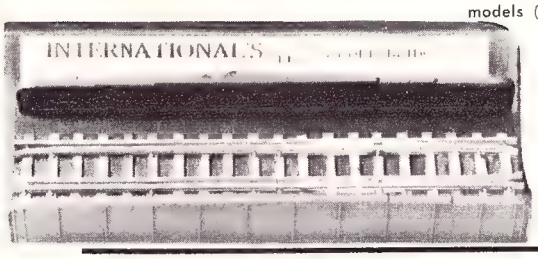
TWO NEW ADDITIONS to the roster of the KUSTOM-BILTS



F-7 DIESEL

Canadian Pacific R.R. } **NOW**
Canadian National R.R. } **AVAILABLE**

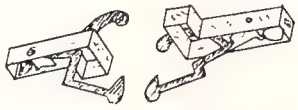
Completely finished, ready to run A&B units detailed to the 'nth degree.' Featuring the new super powered, easily controlled, 8 wheel drive. Powerful DC Motor tested and guaranteed. Painted and lettered in authentic road colors,—these are the gems amongst diesel models (A & B units).....**$37.50** (for both)



Would you run your auto across a plastic bridge? Of course not! That's why our THROUGH GIRDER for a short radius is just right for you!

All brass construction in this fully finished, minutely detailed span. Rivet detail is a work of art. Fully painted with rail, ties and guard rail **$1.50**

HERE'S A SPORTING OFFER



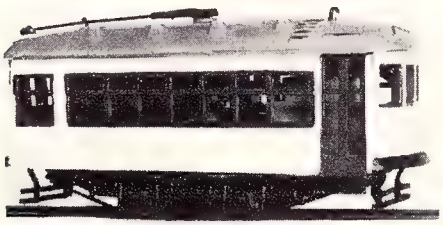
Good at your dealer, or direct! Just send $1.00 for 4 pair of "KUPEEZE"—Try them out on curves, and on up or down grades. If you don't find them to be the "best, couplers on the market" return them and get a full refund—pronto.

Send 25c for New '55 catalogue and get an extra pair free.

INTERNATIONAL MODELS INC.

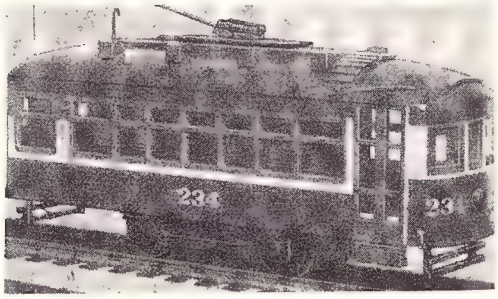
33 Union Square W.
New York 3, N. Y.

INTERURBANS



ST BIRNEY, EASTERN TRACTION

HO. Cast lead base sides, ends, and roof. Mantua trolley motor unit. Working trolley pole, cast fenders. Mantua plastic side frames. Mfr. No. 315, kit price with preassembled body, $12.95.



ST BIRNEY, WALTHERS

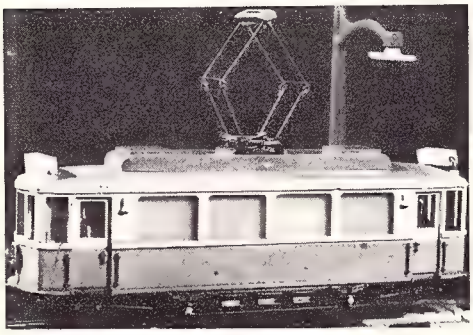
HO. Detailed cast lead base sides with rivets, ends, and roof. Assembled working trolley pole. Diecast fenders. Min rad 3". Birney side frames, Mfr. No. 6611 Birney kit with Walthers U620 power truck, Pittman DC-60 motor and special pickup, $16.90. Mfr. No. 6612 body kit and details only $2.95. Mfrd. by Wm K Walthers Inc.

DT BIRNEY, MODEL TRAMWAY

HO. Cast lead base body and roof, fenders, working trolley poles. PSM power and trailing truck. Body factory assembled. Mfr. No. 375, kit price $16.75. Mfrd. by Model Tramway System.

DT BIRNEY, EASTERN TRACTION

HO. Cast lead base body and roof, fenders, working trolley poles. PSM power and trailing truck. Body factory assembled. Mfr. No. 316, kit price $14.75. Mfrd. by Eastern Traction Models.

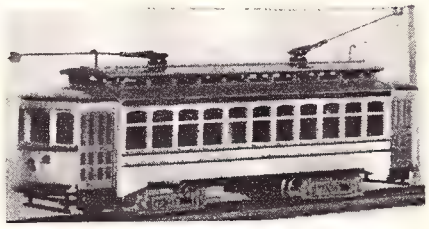


EUROPEAN STREET CAR, HAMO

HO. Diecast and spray painted body of plastic and metal. 7 pole motor with 2 axles driven. Pantograph, working headlight. Ready to run 2-rail $12.00. Same car but for overhead wire 3-rail pickup only, not insulated for 2-rail $10.50. Hamo trailer car similar to power unit, illuminated ready to run and couples to first unit, $4.50. Mfrd. by Hamo of West Germany. Sold thru American distributors.

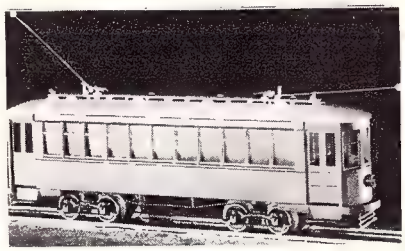
INTERURBAN, R & T

O. Body kit of detailed aluminum sand castings. Requires additional R&T, Pittman or Wagner fittings to complete. Cleveland Railways city-interurban or parlor design. Uses either underfloor or conventional trucks. Mfr. No. 1700, kit price body only $4.75. Dist. by Bob Treacy.



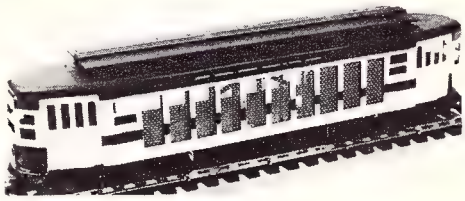
1910 BRILL DECK ROOF, PSM

HO. Detailed one piece diecast zamac body, preassembled PSM power and trailing trucks with nylon sideframes. Trip fenders working trolley poles. Min. rec. radius 10". Kit price $17.95. Mfrd. by Pennsylvania Scale Models.



BRILL ARCH ROOF, PITTMAN

O ¼. Stamped, formed and scribed 11 window steel sides. Diecast zamac and sheet steel end construction. One piece detailed, completely shaped roof with vents. Truss rods, working trolley poles, plastic window pieces. Mfr. No. 501 body kit only, kit price $4.95. Model AC-212 motor truck for tinplate $7.50. Model 212T trailing truck for tinplate $1.25. Part 75-36A Center Third Rail Shoe $1.25. Complete tinplate kit model PT-1, $14.95. Underfloor power trucks for scale use available for DC only. Scale AC motor units also available. Mfrd. by Pittman Electrical Developments Co.

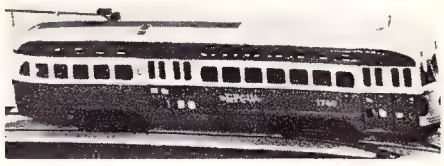


TARS CONVERTIBLE, MODEL TRAMWAY

HO. Zinc base sides and ends, body factory assembled. Milled wood deck roof. Cast fenders. PSM motor unit and trailing truck with nylon frames. Underbody detail. Mfr. No. 381 Brill convertible, closed sides, as used by Third Avenue System, kit price $16.75. Mfr. No. 382 Brill convertible, open sides with screening soldered in, otherwise same as kit No. 381, kit price $16.75. Mfrd. by Model Tramway System.

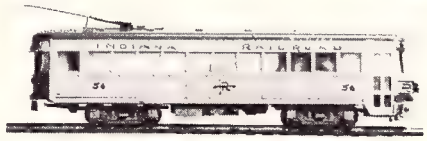
PCC CAR, PENNA SCALE MODELS

HO. One piece diecast zamac body, assembled power and trailing trucks. Working trolley pole. 2-rail, adaptable to 3-rail. 5 pole DC motor. Standee type windows. 15 minute screwdriver assembly. Kit price $16.95.



PCC CAR, R & T CO.

O. Body kit only. Detailed 4 piece heavy sand cast brass body parts. Shaped floorboard, destination signs, window acetate. Standee type windows. Uses R&T or Wagner Car Company power trucks. Roof airconditioning duct available. Kit price $6.40. Distributed by Bob Treacy.



INDIANA LTWGT, PENNA SCALE MODELS

HO. One piece detailed cast zamac body. Working trolley pole. 5-pole 12 v DC motor in preassembled PSM power truck with 6'6" wheelbase. Indiana RR design of 1933, later used by Lehigh Valley Transit and Iowa interurban lines. 15 minute screwdriver assembly. Kit price $22.50. Mfrd. by Penna Scale Models.

C&LE CARS, DRUCK & GRAHAM

O. Bronze or aluminum castings of the former Druck and Graham C&LE "deluxe" patterns. These have been out of production for 5 years but will be reissued if there is sufficient demand. For info contact the mfr. Mfrd. by Franklyn P. Kellogg.

INTERURBAN, NIELSEN

TT. Cast lead base body parts. 14 window arch roof design. Accepts HP mu power trucks. Body kit only kit price $6.60. Mfrd. by Erik S. Nielsen.

PASSENGER 60 FT., DAYTON

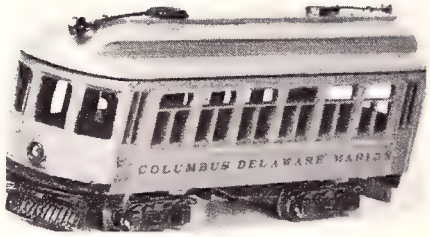
S. Milled wood floor and arch roof. 14 window cardboard sides. Working trolley poles, Baker autocouplers, steps, and all hardware. 60 ft composite steel design of 1920 period. Mfr. No. S-776, kit price less trucks $4.25. 8-whl flexible drive power unit with Pittman DC-71 motor and 7' whlbase. Mfr. No. S-725, price $33.00.

COMBINE 60 FT., DAYTON

S. Same as Dayton No. S-776 above but with small baggage compartment in front end of car. Mfr. No. S-777, kit price less trucks, $4.25. Mfrd. by Dayton Model Products.

60 FT. PARLOR-COMBINE, DAYTON

S. Milled arch wood roof and floor, cardboard sides. Working trolley pole, Baker auto-couplers, steps, and all hardware. Single end 60 ft design with large windows and small baggage compartment. Mfr. No. S-778, kit price $4.25. Mfrd. by Dayton Model Products.



RR ROOF INTERURBAN, MODEL TRAMWAY SYSTEM

HO. Cast lead base body and pilots. Wood milled roof. Working trolley poles. PSM motor truck and trailer. Car ready to roll except for shaping of roof. Columbus Marion & Delaware prototype. Mfr. No. 301, kit price $16.75.

SHORE LINE, EASTERN TRACTION

HO. Cast lead base sides, ends, roof, preassembled at factory. Cast floor with underbody detail cast intergal. Working poles, pole hooks, roof insulators, cast pilots. PSM power and trailing truck. Shore Line design with off center doors. Mfr. No. 300A, kit price $16.75. Mfrd. by Eastern Traction Models.

CORRS

OUR 60th YEAR

812-818 NINTH ST., N. W.
WASHINGTON — 1, D. C.

Stocking a complete line of reliable model railroad supplies, equipment for your every need.

HO LOCOMOTIVES

PENN LINE I-1 Decapod $34.50
PENN LINE Pennsy T-1 Twin Drive 39.50
NEW MANTUA Big Six 17.95
GLOBE DIESEL Union Pacific A-Unit ..... .98
GLOBE DIESEL Union Pacific B-Unit ..... .89
GLOBE DIESEL A or B complete with Dual power 14.95
HOBBYTOWN Dum. power Unit for Globe Diesel with DC 91 motor... 14.95
LINDSAY POWER UNIT for Globe Diesel 9.95
GLOBE DIESELS A or B Dummy Units in Silver or Gold A-Unit ..... .98
B-Unit ..... .89
INTERNATIONAL F-3 Diesel, A & B Units Santa Fe or Pennsy Road name, Assem., Ready to Run $37.50
INTERNATIONAL 0-6-0 Switcher. Assem. .. 12.50
NEW HOBBYTOWN 1600 H.P. ALCo-GE with Twin drive DC 91 Motors 27.50
NEW HOBBYTOWN 2000 H.P. ALCo Diesel with 12 Wheel Drive 29.95
NEW HOBBYTOWN EMC E-7 Diesel with 12 Wheel Drive $29.95
NEW VARNEY DIESEL A Unit Powered Twin Drive 17.50
VARNEY DIESEL 13 Unit Powered Twin Drive. 17.50
DUMMY A or B Units, each 3.95
NEW VARNEY DOCKSIDE, Ready-to-run.. 15.00
FLEISCHMANN TANK LOCO 12.95
FLEISCHMANN ELECTRIC 16.00
FLEISCHMANN ELECTRIC 19.95
FLEISCHMANN PACIFIC 27.50
FLEISCHMANN MOGUL 19.50
FLEISCHMANN SWITCHER 9.95

HO ROLLING STOCK
MANTUA NEW BOX CARS

MKT Box, Yellow $2.25
G A EX Box, Green.... 2.25
G-M-O Box, Red 2.25
G.N. Box, Yellow 2.25
W M Box, Red 2.25
MAINE CENTRAL Box, Green 2.25
AMBROID Watermelon Car 3.00
ULRICH Outside Braced Box 2.90
VARNEY 40' Steel Flat. 1.90
G.N.S. Service Gondola by Ulrich 2.90
ULRICH Offset Side Hopper 2.90
VARNEY Ribbed Side Ore Cars .....3 for 3.00
ULRICH Stock Car 2.90
VARNEY Tank Car 2.50
ATHEARN Automobile Car 2.75
AMBROID Snow Plow.. 3.00
ULRICH Track Cleaning Car 1.75
LACONIA Ralston-Purina Box 2.50
VARNEY Gondola 1.90
AUTHENTICAST Slag Car 3.00
MAIN LINES Pennsy Express Reefer 2.95

SEARCHLIGHT SIGNAL HO WORKING POLE TYPE WITH FULL INSTRUCTIONS
Reg. $1.50
Sale 89c ea.

SEARCHLIGHT SIGNAL HO WORKING DRAFT TYPE WITH FULL INSTRUCTIONS
Reg. $1.00
Sale 59c ea.

4-6-0 KING CLASS, HO LOCO SPECIAL WAS 29.50
British King class locomotive, ready-to-roll, nice detail,
29.50 .....19.95—Sale

RAILROAD PAINT
Reg. 40c Bottle
Sale 19c
BLACK
YELLOW
BOX CAR RED
TUSCAN RED
ALUMINUM

REVOLUTIONARY NEW
TRU-SCALE HO READY-TRACK

16", 18", 20" Radius Circles...each $6.00
Straight 2 feet lengths.....each 2.00
HO Mounted Crossings, 45; 60; 90 .....each 2.95
HO Mounted Crossing, 14; 28.each 3.25
HO Mounted Single Turnouts 4's; 6's; 8's; Right or Left.....each 2.85
HO Mounted Single Crossovers, 4's; 6's; 8's; Right or Left.....each 5.50
HO Liquid Ballast .....Half pint .98
HO Liquid Ballast.....Full pint 1.89
CREOSOTE Tie Stain...Half pint .59

SEARCHLIGHT SIGNAL O GAUGE WORKING DWARF TYPE WITH FULL INSTRUCTIONS
Reg. $1.00
Sale 59c ea.

SEARCHLIGHT SIGNAL O GAUGE WORKING POLE TYPE WITH FULL INSTRUCTIONS
Reg. $1.50
Sale 89c ea.

TRU-SCALE DISCONTINUED SELF GAUGING CIRCLES

38" Radius	Reg. $4.78	SALE	$2.86
40" Radius	Reg. 5.02	SALE	3.11
42" Radius	Reg. 5.28	SALE	3.16
44" Radius	Reg. 5.52	SALE	3.31
46" Radius	Reg. 5.78	SALE	3.46

SAVE! *CORR'S BARGAIN COUNTER of close-outs or discontinued items*

O GAUGE CARS			
SCALE 24 Duplex Roomette	Reg. $8.95	SALE	$.499
BOX CAR or REEFER with Tinolete Trucks and Cplrs for 0 or 027 Track with Metal Silk Screened Sides	Reg. $4.00	SALE	2.40
O GAUGE BUILDINGS			
STAR LINE CONCRETE UNDERPASS	Kit, Reg. $3.00	SALE	1.79
PLASTICVILLE BUILDINGS			
Log Cabin Fence and Tree	Reg. $ .89	SALE	.49
Super Market	Reg. .89	SALE	.49
School House	Reg. 1.29	SALE	.69
Airport Hanger	Reg. 1.29	SALE	.69
Bridge and Pond	Reg. .69	SALE	.39
Rustic Fence and Gate	Reg. .59	SALE	.34
SKYLINE O GAUGE BUILDINGS			
Plastic Church	Reg. $1.79	SALE	.99
Metal House with Light Socket	Reg. 1.69	SALE	.49

SPECIAL HO CARS

COMPLETE WITH NYLON TRUCKS

98c EA. OUR CHOICE OF NAMES **5 FOR $4.49**

North American Refrigerator Despatch
C and E I U.S.R.A. Box Car
S.L.R.X. Refrigerator Car
Illinois Terminal Auto Car
Western Pacific Refrigerator Car
Northern Pacific Box Car
Southern Auto Car
St. Louis and South Western Auto Car
Plain Automobile Car
SL-SF USRA Box Car

SATISFACTION GUARANTEED OR YOUR MONEY BACK

SPECIAL
Silver Streak Iron Horse Kit (The C. P. Huntington) complete with mounting base NOW ONLY $2.95
(less base $1.95)

We stock a complete line of motive power in HO gauge plus all popular car and building kits. You can buy with confidence at Corr's. Effficient, 24-hour service on all mail orders.

HOW TO ORDER—Please send remittance in full by check or money order plus 10% for postage and packing. We do not ship C.O.D.

ORDERS SHIPPED SAME DAY RECEIVED. WE SHIP FROM STOCK. WE ADVERTISE ONLY MERCHANDISE THAT IS ALREADY ON OUR SHELVES

CORR'S
812-818 Ninth St. NW—Dept. MC
Washington 1, D. C.

(Use separate paper for additional orders)

Gentlemen:

Please send me: .....

☐ Ships and Historical Models Catalog; 25c
☐ New Military Miniatures Catalog; 35c

Enclosed .....

Name .....

Address .....

City ..... State .....

NORTH SHORE COACH, WALTHERS

HO-O. Stamped metal sides with rivet detail. Die cast ends. Wood milled arch roof and floor sections. Stamped, cast, and formed hardware. Mfr. No. 4575 less trucks, O gauge body kit only, $8.75. Mfr. No. 7530 similar kit for HO gauge less trucks $4.75. Mfrd. by Wm K Walthers Inc.

NO. SHORE COMBINE, WALTHERS

HO-O. Same as Walthers North Shore coach but with baggage compartment. Mfr. No. 4574 O gauge kit less trucks $8.75. Mfr. No. 7531 HO kit less trucks $4.75. Mfrd. by Wm K Walthers Inc.

NORTH SHORE DINER, WALTHERS

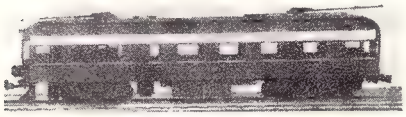
O. Similar construction as North Shore coach by Walthers but with unusual interurban diner sides of stamped metal with rivet detail. Prototype car is not motorized, trailer only. Mfr. No. 4576 kit place less trucks $8.75. Mfrd. by Wm K Walthers nc.

NORTH SHORE OBS, WALTHERS

O. Similar construction as other Walthers North Shore Cars but with rare observation platform with diecast railings. The prototype car is a trailer and has no power trucks or trolley poles. Mfr. No. 4577, kit price less trucks $9.75. Mfrd. by Wm K Walthers Inc.

MILW ELECTRIC, WALTHERS

O-HO. Stamped steel sides for coach with diecast lead base end castings and detail parts. All hardware less trucks and poles. Milled wood floor and monitor type roof. Narrow 9 ft width. Milwaukee Electric Ry prototype, later The Rapid Transit and Speedrail. Mfr. No. 4571 O gauge kit, kit price $8.75. HO kit Mfr. No. 7533 $4.75. Mfrd. by Wm K Walthers Inc.



MILW PARLOR, WALTHERS

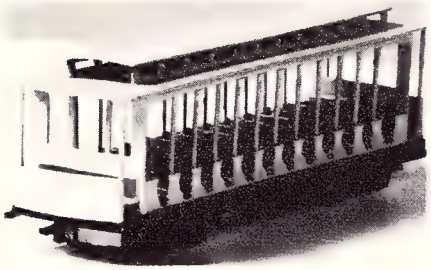
O. Same kit as Milwaukee Electric coach kit No. 4571 but with parlor car wide window sides. Mfr. No. 4572, kit price $8.75. Mfrd. by Wm K Walthers Inc.

PE COACH, WALTHERS

O-HO. Stamped sheet metal sides with die cast ends and details. Milled wood floor and arch roof. Metal and wood hardware parts. Substitution of various Walthers end castings results in different series of models sufficiently accurate for most purposes. Mfr. No. 4607 O gauge kit less trucks and poles $8.75. Mfr. No. 7534 HO kit less trucks and poles $4.75. Mfrd. by Wm K Walthers Inc.

PE COMBINE, WALTHERS

O. Similar to PE coach above (Mfr. No. 4607) but with baggage compartment. Mfr. No. 4606 kit price less trucks and poles $8.75. Mfrd. by Wm K Walthers Inc.



OPEN TRAILER, MODEL TRAMWAY

HO. Double truck open bench car. All metal construction, trucks. This kit is unpowered and at present, there is no motor unit made to fit an open car in HO gauge. No soldering required. Mfr. No. 350, kit price less couplers, poles, $14.75. Mfr. No. 350-A, same as above but with basket fenders, trolley poles, destination and route signs, and Hi-Baller link and pin couplers. Kit price $16.50.

ELECTRIC LOCOMOTIVES, ALL MFRS.

All Gauges. Electric locomotives including steeplecabs and foreign appeared in the Diesel & Electric Locomotive Directory appearing in Railroad Model Craftsman for November 1954.

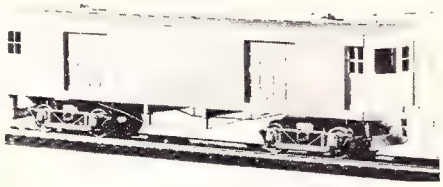
FRT

SAND CAR, EASTERN TRACTION

HO. Precision wood body parts, scribed sides, round floor, truss rods, sprung CV arch bar trucks and hardware. Mfr. No. 51, kit price less couplers $2.00. Mfrd. by Eastern Traction Co.

MAIL CAR, MODEL TRAMWAY

HO. Cast lead base body and roof. Taylor 4 wheel truck, hardware and details. Mfr. No. 60, kit price $5.75. Mfrd. by Model Tramway System.



LVT FRT MOTOR, PITTMAN

O ¼. Diecast zamac sides and ends. Preshaped flat type wood roof. Working trolley poles. Length 12½" over bumpers, width 2¼". Dummy MCB couplers, truss rods. Mfr. No. 510-1 body kit with working poles $7.95. Mfr. No. 511-1 same as above but with manual reversing switches actuated by dummy poles, for use on tinplate track, $8.95. Assorted 4 and 8 wheel, AC and DC, scale and tinplate power trucks available at prices ranging from $11.95 to $17.95. Lehigh Valley Transit prototype.

C&LE FRT MOTOR, DAYTON

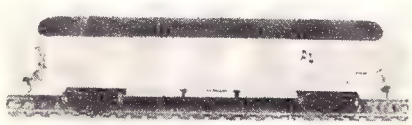
S. Milled wood floor and roof section. Cardboard sides, operating trolley poles, headlight, pilot, Baker automatic couplers, hardware. 45' steel Cincinnati & Lake Erie prototype. Mfr. No. S-775 less trucks, kit price $4.25. Dual power unit for above with Pittman DC-71 motor and flexible shaft 8-whl drive, Mfr. No. S-725, price $33.00.

SHORE LINE FRT, EASTERN TRACTION

HO. Cast lead base sides, ends, roof, and floor, factory assembled. MCB side frames in PSM power truck and trailer. 2 working poles, roof insulators and pole hooks, cast pilots. No couplers. Mfr. No. 200A, kit price $16.25. Mfrd. by Eastern Traction Models.

NO. SHORE FRT, WALTHERS

O-HO. Stamped. formed sheet metal sides with die cast lead base end and detail castings, milled wood floor and arch roof. Hardware less poles and trucks. O gauge kit Mfr. No. 4573, $8.75. HO kits, Mfr. No. 7532 metal side car, $4.75. Mfr. No. 7535 with paper overlay sides to represent scribing of wood car, same otherwise as No. 7532, $4.75. Mfrd. by Wm K Walthers Inc. O gauge kit No. 4573 may also be had with monitor roof for Chicago Aurora & Elgin.

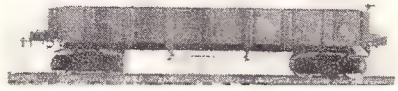


BOX CAR, DAYTON

S. Milled wood roof and floor, cardboard sides, truss rods, Baker automatic couplers, hardware. 48' CERA standard box trailer design with round end to permit taking sharp city curves. Mfr. No. S-780, kit price less trucks $2.50. Mfrd. by Dayton Model Products Co.

FLAT CAR, DAYTON

S. Milled wood floor and sill. Truss rods, Baker autocouplers, hardware. Round ends for sharp curves. Mfr. No. S-781, kit price $1.60. Mfrd. by Dayton Model Products Co.



SAND CAR, DAYTON

S. Milled wood floor with wood sides, ends, sill. Truss rods, Baker autocouplers, hardware. Round ends to take sharp city curves. Mfr. No. S-782.. Mfrd. by Dayton Model Products Co.

BOX CAR, EASTERN TRACTION

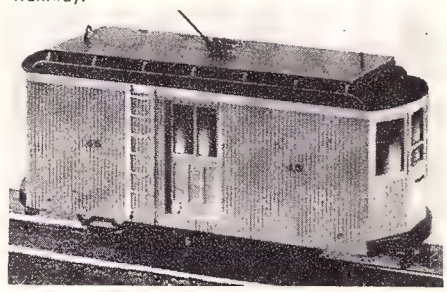
HO. Precision cut wood body parts, truss rods, Central Valley hardware, and archbar trucks. Round ends. Mfr. No. 50, kit price less couplers $2.50. Mfrd. by Eastern Traction Co.

BOX CAR, MODEL TRAMWAY

HO. 50' round end trailer. Precision wood body, truss rods, sprung archbar trucks, hardware. Mfr. No. 50, kit price less couplers $2.50. Mfrd. by Model Tramway System.

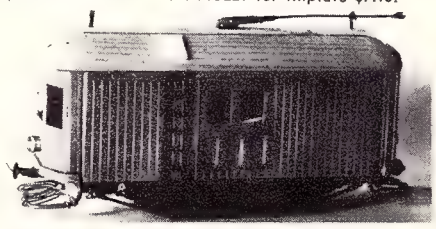
FLAT CAR, MODEL TRAMWAY

HO. Precision wood construction. Truss rods, sprung archbar trucks, hardware. No couplers. Round ends. Mfr. No. 51, kit price $2.00. Mfrd. by Model Tramway.



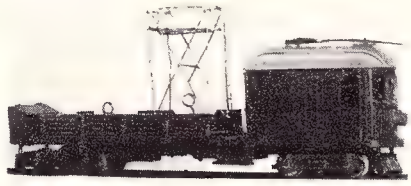
WORK CAR, PITTMAN

O. Detailed diecast zamac sides and ends. Wood pre-cut roof with all parts cut to shape. Working radial drawbars. Pole reversing mechanism and working pole. 6½" over bumpers, 2" wide. Model 520 body less kit less trucks $6.95. Motor truck Brill 21E side frames, No. AC220 for scale track $7.95. Motor truck No. AC221 for tinplate $7.95.



WORK CAR, MODEL TRAMWAY

HO. Zinc alloy sides and ends, preshaped wood roof, Mantua trolley motor truck with nylon side-frames, working trolley pole, fenders, hardware. Mfr. No. 100. kit price $12.75. Mfrd. by Model Tramway System.



DT LINE CAR, EASTERN TRACTION

HO. Lead base castings, working trolley pole, PSM motor unit and trailing truck. Scribed sides. No tower included. Built to order only, price ready ot roll $25.00. Mfrd. by Eastern Traction Co.

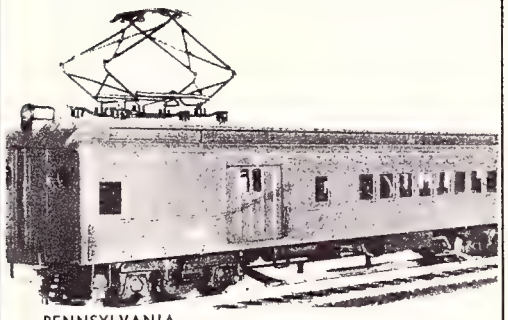
MU CARS

MU POWER CARS, WALTHERS

O-HO. Stamped steel sides with rivet detail, diecast detailed lead base and castings, with wood milled floor and arch or monitor roof (See note as to A or M after Mfr. No. on each kit). Cast, stamped, turned metal and wood hardware. Less pantographs, trucks. Power kits use standard Walthers or other make HO and O gauge power trucks. Trailers use recommended side frames. Choice of decals.

LONG ISLAND

Mfr. No. 4609 Long Island coach O gauge coach kit $8.75. Mfr. No. 4608 Long Island combine O gauge kit $8.75. Mfr. No. 7522 Long Island HO gauge kit $4.95.



PENNSYLVANIA

Mfr. No. 4608 Pennsylvania combine O gauge kit $8.75. Mfr. No. 4609 Pennsylvania coach O gauge kit $8.75. Mfr. No. 7525 Pennsylvania HO gauge coach kit $4.95. Mfr. No. 7526 Pennsylvania combine HO gauge kit $4.95.

READING COMPANY

Mfr. No. 4608RC Reading Company combine O gauge kit $8.75. Mfr. No. 4609RC Reading Company coach O gauge kit $8.75. Mfr. No. 7527 Reading Company coach HO kit $4.95.

SOUTH SHORE

Mfr. No. 4606 South Shore combine kit O gauge $8.95. Mfr. No. 4607 South Shore coach kit (60 ft) $8.95. Mfr. No. 7528 South Shore coach kit for HO gauge $4.95.

LACKAWANNA

Mfr. No. 4707 Lackawanna coach O gauge kit $8.75. Mfr. No. 4708 Lackawanna combine O gauge kit $8.75. Mfr. No. 7520 Lackawanna coach kit HO $5.15. Mfr. No. 7521 Lackawanna combine kit HO $5.15.

NEW YORK CENTRAL

Mfr. No. 4707 NY monitor roof coach for O gauge $8.75. Mfr. No. 4708 NY, monitor roof combine for O gauge $8.75. Mfr. No. 7523 New York Central coach for HO, $4.75. Mfr. No. 7524 NYC combine for HO $4.75. Note that New York Central mu cars operate from 3rd rail and do not have pantographs or poles.

NEW HAVEN

Mfr. No. 4707NH arch roof O gauge kit, $8.75. Mfr. No. 4708NH arch roof combine for O gauge $8.75. Mfr. No. 7518 Coach for HO gauge, $4.75. Standard New Haven mu cars have massive heavy appearance, double pantographs and unusual Brewster green color.

ILLINOIS CENTRAL

Mfr. No. 4707IC coach monitor roof O gauge kit, $8.75. Mfr. No. 7519 monitor roof coach kit $4.95. ICRR mu cars use two pantographs.

MU COACH, KEMTRON

OO. One piece diecast body, milled wood roof, working pantograph. Power and trailing truck with side frames included. Length 11½". This kit can be used for NYC, DL&W, PRR, NH, ICRR, and others by changing details. Mfr. No. OOP653, kit price $26.50. Former Scale Craft kit, not mfrd. by Kemtron.

MU COMBINE, KEMTRON

OO. Similar to above kit but with baggage section at one end. Mfr. No. 00655, kit price $26.50. Mfrd. by Kemtron.

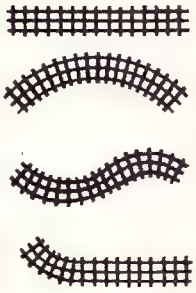
MU BAGGAGE, KEMTRON

OO. Similar to No. OOP653 above but without windows and with two baggage doors per side. Length 11-7/16". Mfr. No. OOP654, kit price $26.50. Mfrd. by Kemtron.

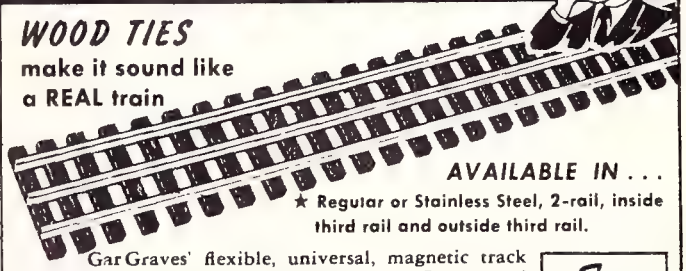
NEXT MONTH:
ELECTRICAL EQUIPMENT DIRECTORY

SCALE & TINPLATE TRAINS
now arriving on . . .
GarGrave's UNIVERSAL FLEXIBLE TRACKS

BENDS TO ANY CURVE



WOOD TIES
make it sound like a REAL train



AVAILABLE IN . . .
★ Regular or Stainless Steel, 2-rail, inside third rail and outside third rail.

GarGraves' flexible, universal, magnetic track mates with ALL 0, 027 and 072 gauge track. Constructed of steel rail, 3/16" high, with accurate scale wood ties. Patented construction eliminates spike heads, permits tinplate locos to run perfectly on scale track.

NEW: "S" gauge trackage and switches . . . 3 rail "O", "0-27", "0-72" 90° crossovers and switches.

Free Send 3c stamp for complete "GarGraves trackage facts."

SEE YOUR DEALER OR WRITE TO . . .

Gardner, "THE TRAIN DOCTOR"
RAILROADING IS OUR BUSINESS—NOT A SIDELINE
2261 DEWEY AVENUE—ROCHESTER 16, N. Y.

WAYSIDE SHELTERS IN HO

Here's a couple of kits for your Trolley and interurban fans. Don't let your "Scalebodys" stand in the rain while awaiting the cars. These inexpensive little shelters will keep them dry and at the same time add interesting detail to the scene.

Kit 62. two wayside shelters in Concrete or brick block open type. .....$ .95

Kit 63. One wayside shelter in wood with corrugated metal roof. All season type.....$ .95

E. SUYDAM & CO.
1609 3rd St. Duarte, Calif.
Circulars on all Suydam kits for stamped envelope.

CANADIAN MODEL RAILS

ADD THIS HUSKY TO YOUR TABLE TOP EMPIRE!

THE FAMOUS H. P. Mikado—BUILD YOUR OWN FROM SIMPLIFIED KIT

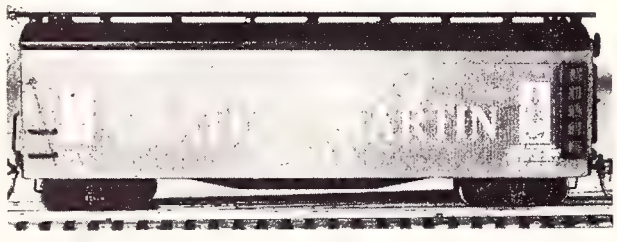
Now it's easy to own and operate the famous HP Mikado (2-8-2). This all-purpose TT gauge locomotive is equally at home on a tiny table top layout or a large model railroad empire. It features a cast boiler and cab with brass underframe and spoked drivers. Powered with a Pittman DC-60 motor.

This Mikado is of freelance design incorporating the best features of leading prototype locomotives. Supplied to you in easy-to-build kit form—can be assembled with a screwdriver! This powerful locomotive is packed with detail and can negotiate 10" radius curves with ease. Get yours today. The complete Mikado kit, including tender, **only $31.50.**

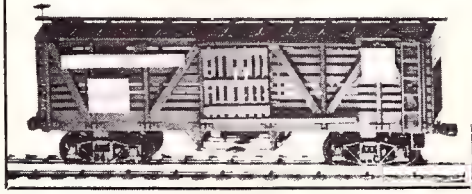
Pacific kit $29.95 **Consolidation $26.50** **Mountain type $33.50** **Articulated $60.50**

IF YOU'RE IN HO—PUT *COLOR* ON YOUR LINE—
with this *LACONIA* Special

It's Flashy
•
It's Unique
•
It's Purple
•
$2.00
Without Trucks



New HO STOCK CARS! from BINKLEY MODELS



WOOD SLAT CONSTRUCTION—DETAILED HARDWARE—PRINTED LETTER BOARDS—SPRUNG TRUCKS—ONLY $3.10 COMPLETE

We sell all H. P. PRODUCTS TT line, PENN LINE'S famous HO locos, SPEEDMASTER control systems, BINKLEY MODELS, and colorful (fun-to-build) LACONIA kits at the ADVERTISED PRICE, postpaid! Send for our catalogs.

DEALERS INQUIRIES INVITED

NORTHWESTERN MODEL RAILWAYS
P.O. BOX 460 OLIVER, BRITISH COLUMBIA

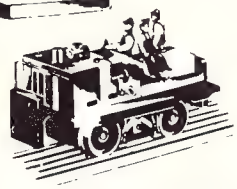
BUILD A BETTER R.R. WITH LIONEL TRAINS

No. 624—Chesapeake & Ohio Switcher. Another top performer! This GM-type switcher has a worm-drive motor and *Magne-Traction.* Powerful headlight and knuckle couplers on both ends. Ideal for switchyard use. 11⅝" long. **$25.00**

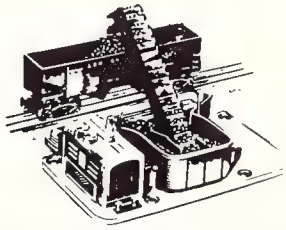
AND ACCESSORIES

No. 140 — Automatic Banjo Signal. Automatic action. Arm swings when train approaches, red light goes on. Stops when train has passed **$5.95**

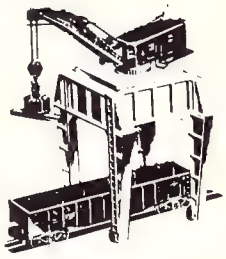
No. 445 — Operating Switch Tower. On approach of train, man on platform goes inside, other man runs down stairs. After train passes, they resume their positions..... **$7.95**



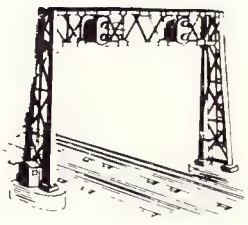
No. 50—"Section Gang" Car. Operates from track power. When buffers on either end strike an object, car reverses, "gandy dancer" faces the other way..... **$7.95**



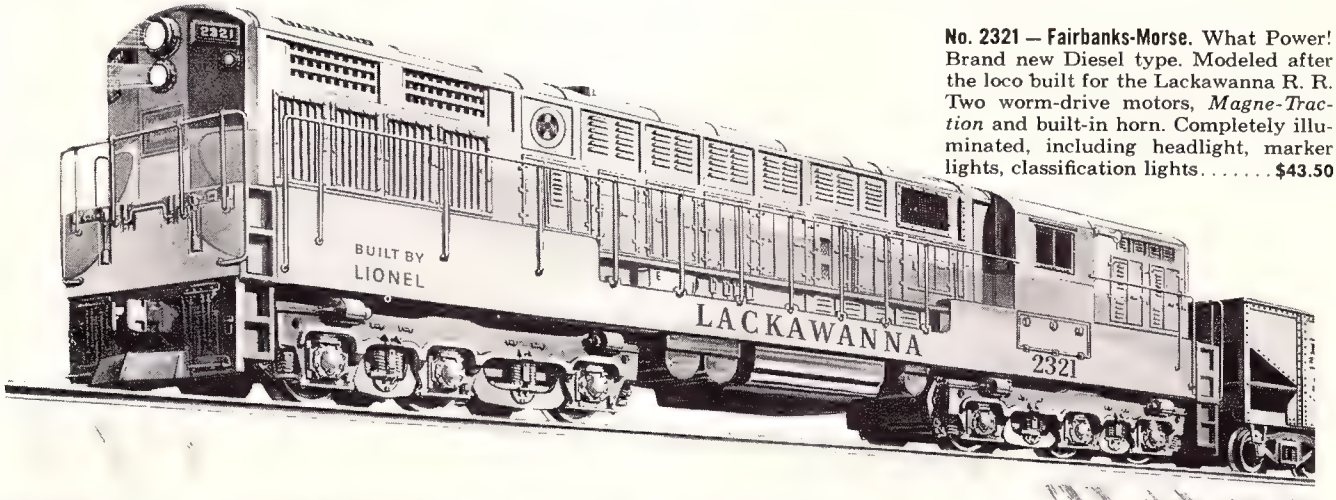
No. 397—Operating Coal Loader. Loads cars by remote control. GM Diesel housing contains self lubricating motor... **$13.25**



No. 282—Portal Gantry Crane. Use hook or magnet. Make cab turn, raise or lower electro-magnet, turn magnet on or off — all from trackside control box **$15.95**

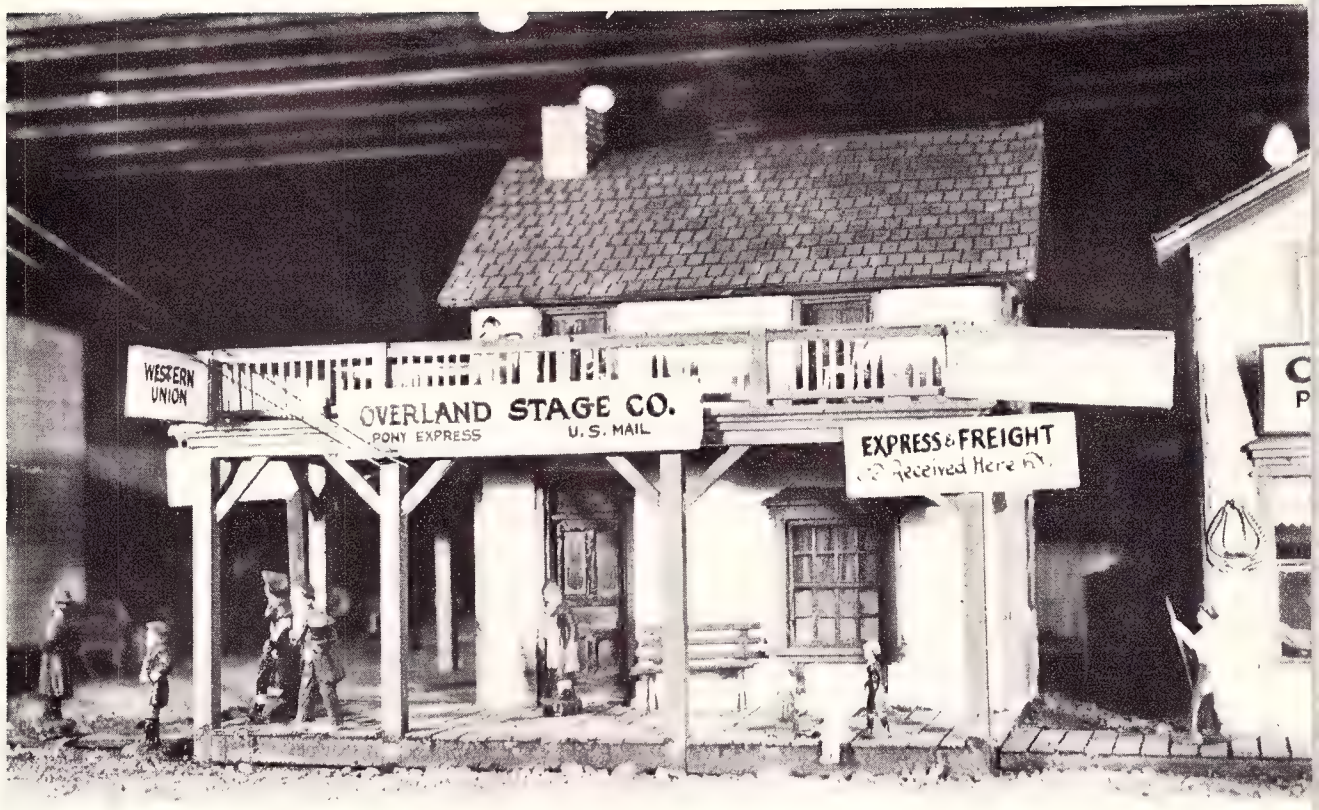


No. 450—Operating Signal Bridge. Spans two tracks. Lights change from green to red as train passes to warn following trains. **$5.95**



No. 2321 — Fairbanks-Morse. What Power! Brand new Diesel type. Modeled after the loco built for the Lackawanna R. R. Two worm-drive motors, *Magne-Traction* and built-in horn. Completely illuminated, including headlight, marker lights, classification lights..... **$43.50**

ONLY LIONEL HAS MAGNE-TRACTION



Country Stage Stop

Roadside America Photo

. . . tim plate tells how to build a

country stage stop that's so easy to make that even a beginner can do a neat job. You can use cardboard and balsa, or make a more elaborate model of precision wood siding and sticks.

HOWDY fellers. This month we've something a little different which we think'll really be of interest to everybody that reads RMC, even all you fellers who are always spouting off about HO. You can make this structure just as simple as you'd care to, and yet if you take your time and doll it up, it could be one of the most interesting buildings on your pike.

As you might gather, I saw the original model on one of my travels out to that fabulous Roadside America, at Shartleville, Pa. Built by Larry Geiringer, it's a model of an old time stage stop and every once in a while you still see a structure like this, only they don't call them stage stops any more. Structures like this today have been converted into boarding houses, general stores, antique shops, and taverns. Whatever you'd care to model it as, you'll find it an interesting replica and a model that you'll want to have on your pike.

How To Build It

The Country Stage Stop is a very easy model to build and you can use several different materials, depending on your gauge and preference. You beginners who have never done much building might better stick to heavy poster board or bristol board, a material that is economical and easy to work with. Advanced workers who want more detail in their model might prefer the wonderful precision shaped wood siding that most hobby dealers now stock.

You'll note that the plans are drawn full size for HO gauge so that all of you HOers need only to take your dimensions directly from the plans. O gaugers plus all tinplaters should use the dimensions that are given in inches on the plans.

The first step, after deciding on the materials that you want to use is to lay out the main parts on the wood or cardboard. You'll need a front and a back, two sides, a roof, the porch floor which goes around sides of the house, and the porch roof which is the same size.

If you're laying the parts out on cardboard, you'll also have to scribe the board effect on the card. You can see how this is to be done by studying the photo of the model carefully. Use an X-Acto knife in cutting the various parts out in either wood or card.

Windows and door openings should

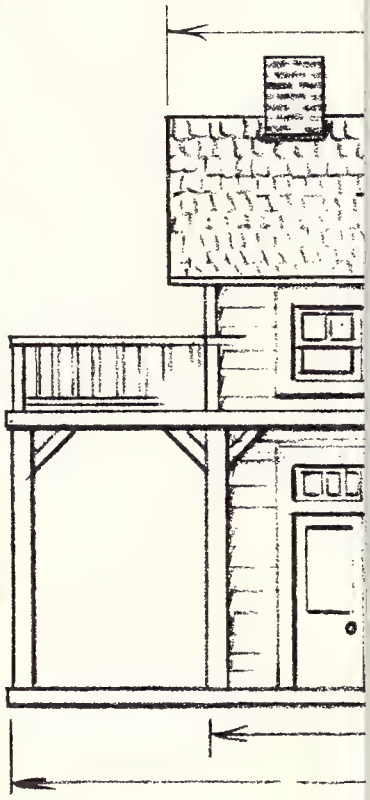
be cut out and then doors and windows made up of cardstock and acetate and cemented in place. The walls may then be cemented together. The roof is cemented on next and may be covered with a roofing paper such as is made by William K. Walthers. Make the chimney from a block of balsa with a wedge cut out of the bottom so that it fits snugly to the roof. Cover it with brick paper or paint it deep red and draw black mortar lines on it.

Now cement the floor and porch roof in place, propping the upper piece up with blocks or paint jars until it dries in position. Use 1/8" sticks for HO pillars and 3/16" for O-S gauge pillars. Braces are still smaller sticks; 1/16" in HO and 1/8" in O-S gauge. The railing may be built up from tiny sticks of 1/32" wood cemented to larger 1/16" sticks but you can also purchase railing at many hobby shops. Sometimes you can even use ladder strip as railing and O gaugers might even make use of a short length of HO tie strip which has been cut down slightly. Interior lights may be added if you desire but only if you have made the windows translucent.

Paint the model with model railroad paint. Make the floor a thin brown wash. The walls of the building could be cream or white with green trim all around. If you didn't use shingle paper on the roof, paint the roof dark gray or green. Place several chairs on the upstairs porch and a bench or two on the floor downstairs.

The model can be put near one of your railroad's smaller stations. Place some autos nearby and have a few people walking by or even sitting out front. Several signs are given with the plans but may be you'll prefer to think up some of your own which you think are better.

There are lots of other ways in which you could modify this building. It could even be made into a railroad station although if that were done, the porch would have to be lengthened somewhat and would become the station platform. The open porch could even be covered up with a brick paper wall with appropriate windows and become a modern store. There is no end to the possibilities that exist and one is better than the other. I'd like to see photos of this model built by readers.

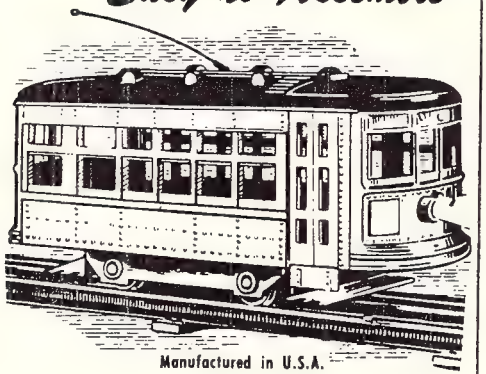


PLA

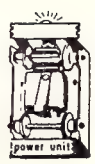
STREET CAR KIT

ONLY $3.95 POSTPAID

Easy to Assemble



Manufactured in U.S.A.



All kits complete with instructions. Fits O-Gauge—3 rail has 12 volt motor power unit, headlight, underframe, wheels, axles, body, roof, trolley pole, pick-up arm, hardware, etc.

Send Order Now

ONLY $3.95 POSTPAID

KROLL KAR CO. 4916 N. Drake Ave., Chicago, Ill.

x-acto®

KNIVES • TOOLS

HANDICRAFT KITS

THE BEST THING IN S GAUGE

Have you seen it? If not, send 50c now for your copy of the

NIMCO NEW 60-PAGE

1954-55 CATALOG & HANDBOOK

Lists all 1955 items including American Flyer and Plasticville. We are the oldest and largest S gauge supply house in America and carry the largest stock.

TT Gauge Catalog 25c

NIXON MODEL CO.

Box S, Pa. Route 232 Southampton, Pa.

THOMAS

TWO NEW "O" GAUGE

Scale Locomotives in Kit Form

For Two Rail Operation

Pittman A-C or Permag Motor

The SHAWNEE EXPRESS $29.95

The BRANCH LINE SPECIAL $29.95

These are the same engines as our Tinplate version

ALSO AVAILABLE

0-4-0 Switcher $36.50

0-8-0 Switcher 44.00

2-8-0 Consolidation 46.00

THOMAS INDUSTRIES SHAWNEE OKLAHOMA

WHEN IN THE

Pennsylvania Dutch Country

DON'T MISS

"Roadside America"

300 Years of

American Life in Miniature

We are now open in our new location with a larger, greater and more beautiful display than ever before—with many new attractions never seen in miniature displays before. Over 6,000 gallons of water flowing in streams each hour! Mountains 15 feet high! A sight never to be forgotten.' Send for colored folder. You can travel here by bus with East or West—see your Travel Agent. Traveling on Penna. Turnpike East—be sure to turn north at "Harrisburg *East Shore* Exchange" to 22—see map.

You will be amazed—be prepared to see more than you expect. Started in June 1903; now celebrating our fiftieth anniversary! Fifty years in the making by one man and family!

Picnic Grove, Zoo and Trails in the Woods

Open every day from

9 a.m. to 10 p.m.

ALSO, VISIT OUR

PENNSYLVANIA DUTCH

GIFT HAUS

One of the most exclusive gift houses in country. On U. S. Route 22, between Allentown & Harrisburg, Pa. 8 miles west of Hamburg.

MA HOULIHAN'S RAILROAD INN

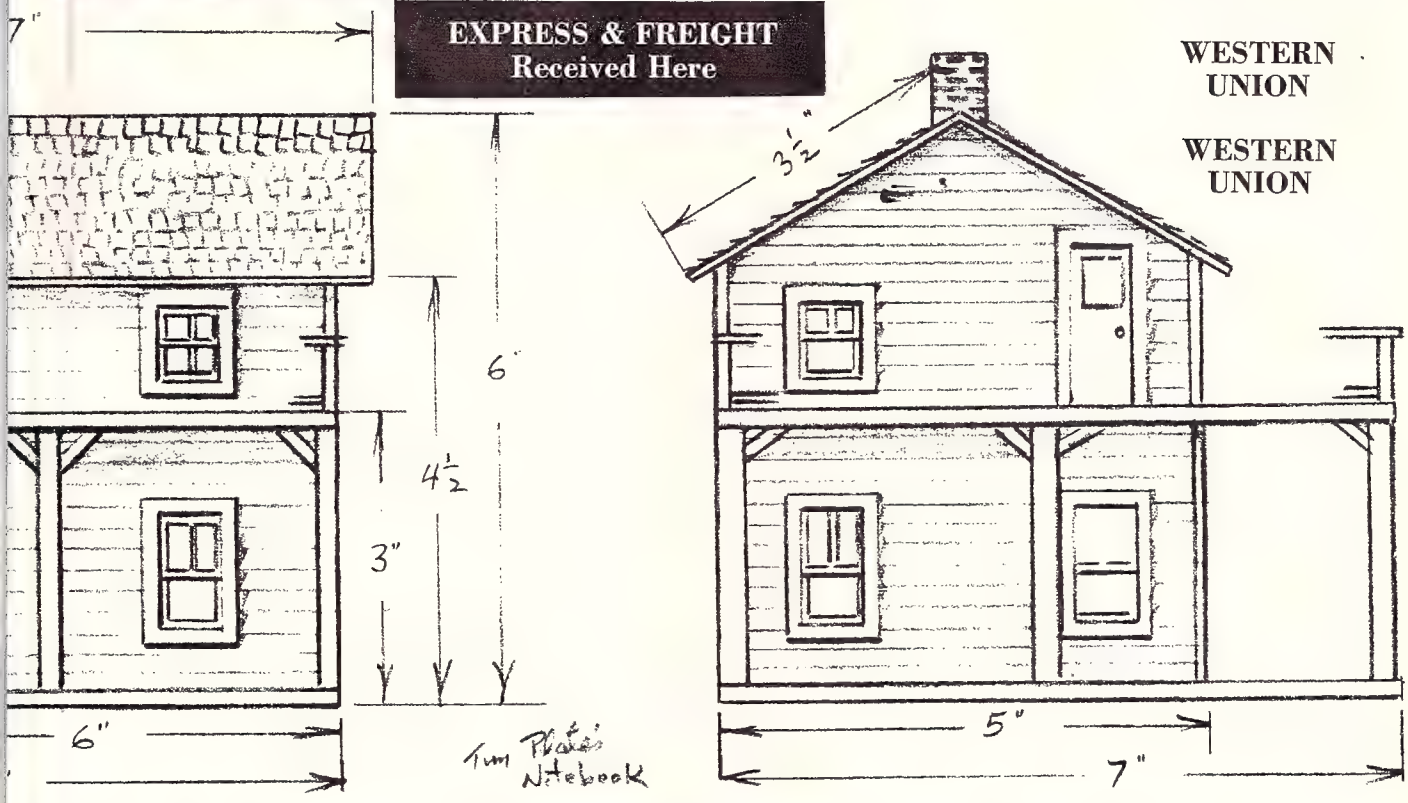
EXPRESS & FREIGHT
Received Here

POST OFFICE

POST OFFICE

WESTERN UNION

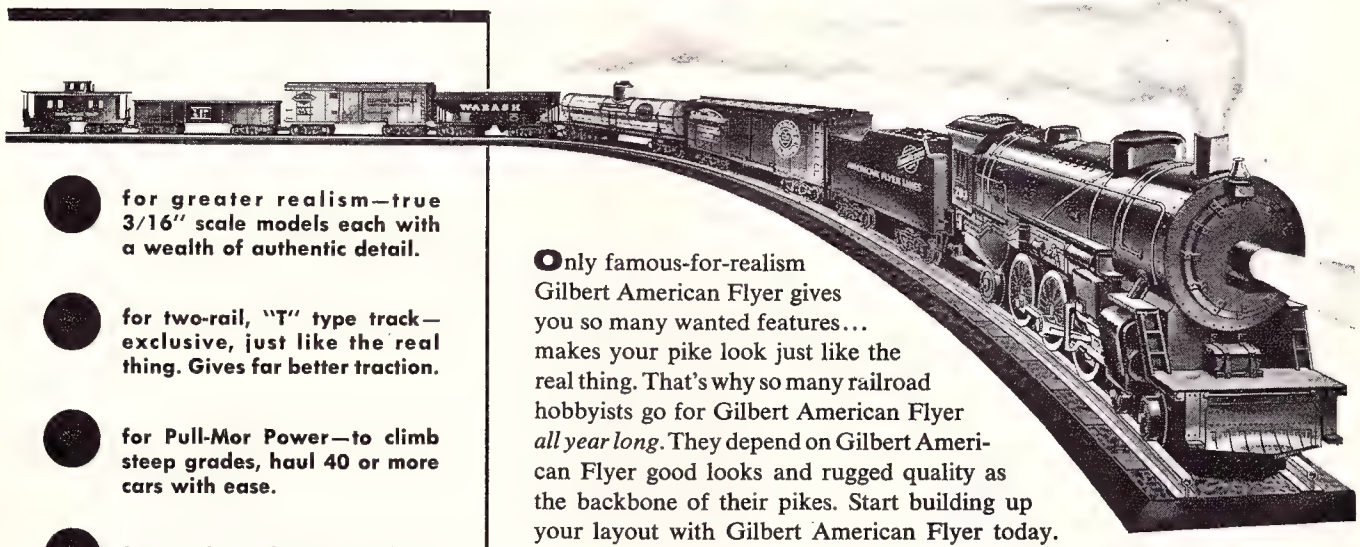
WESTERN UNION



ULL SIZE FOR HO GAUGE **DIMENSIONS GIVEN ARE FOR O GAUGE**

A better buy the year 'round!

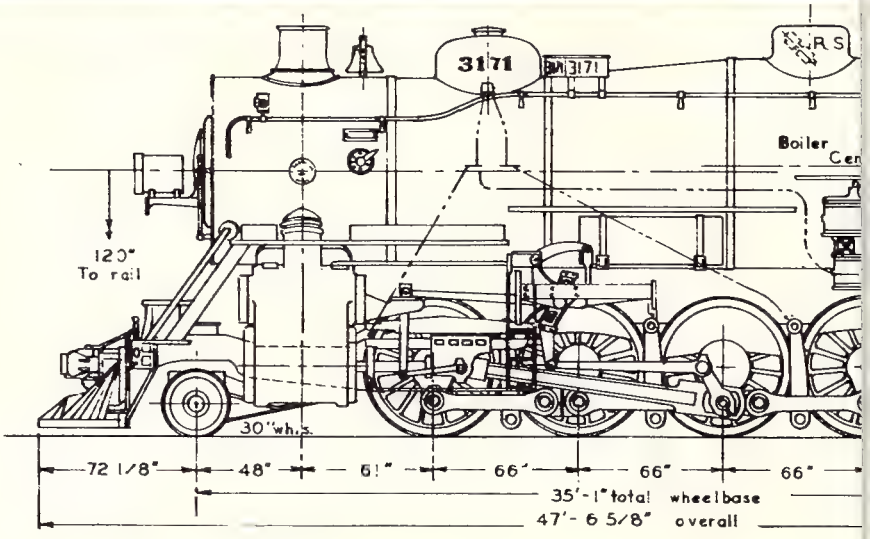
Scale-model GILBERT American Flyer trains



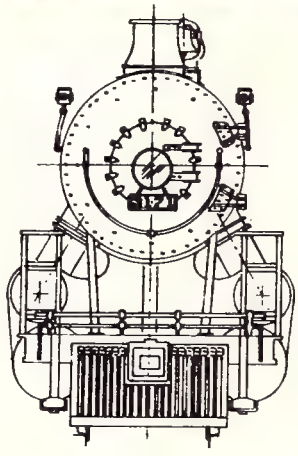
- for greater realism—true 3/16" scale models each with a wealth of authentic detail.
- for two-rail, "T" type track—exclusive, just like the real thing. Gives far better traction.
- for Pull-Mor Power—to climb steep grades, haul 40 or more cars with ease.
- for real smoke and "choo-choo"—synchronized to the driving of the engine's wheels.

Only famous-for-realism Gilbert American Flyer gives you so many wanted features... makes your pike look just like the real thing. That's why so many railroad hobbyists go for Gilbert American Flyer *all year long*. They depend on Gilbert American Flyer good looks and rugged quality as the backbone of their pikes. Start building up your layout with Gilbert American Flyer today.

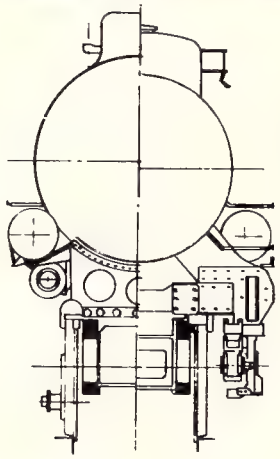
Made by A. C. Gilbert Company, makers of famous Gilbert Erector, Microscope Sets, Chemistry Sets and Tool Chests



SANTA FE MIKADO



FRONT VIEW



INT. CROSSHEAD

FULL SIZE FOR HO GAUGE

DRAWN ESPECIALLY FOR

RAILROAD MODEL CRAFTSMAN

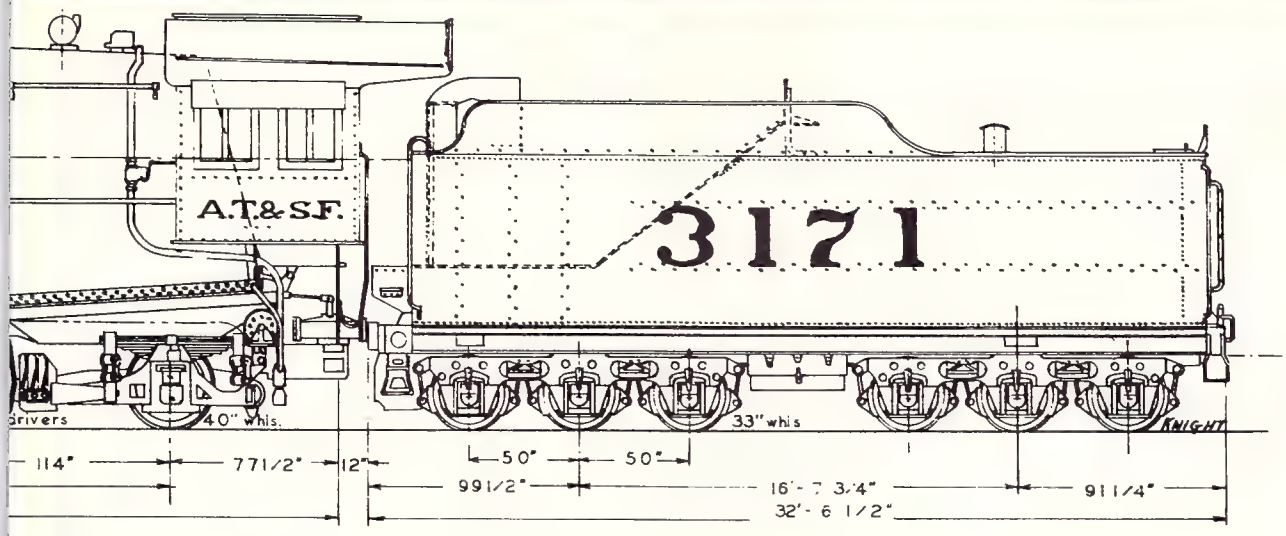
BY J. L. KNIGHT

2-8-2 MIKADO

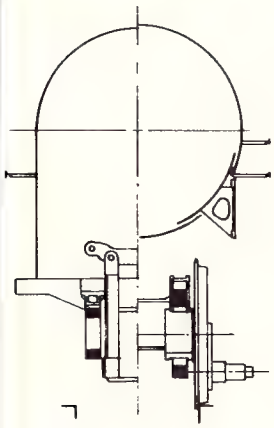
CLASS 3160

BUILDER—BALDWIN 191

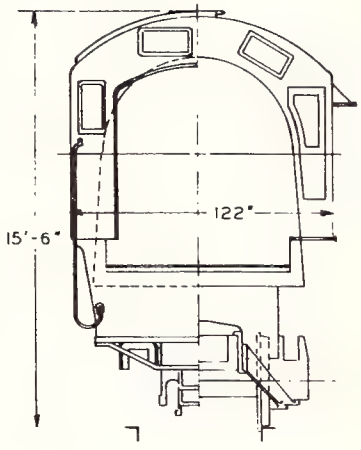
ROAD NOS. 3160-3287



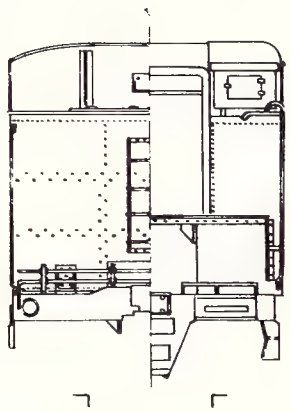
SIDE ELEVATION



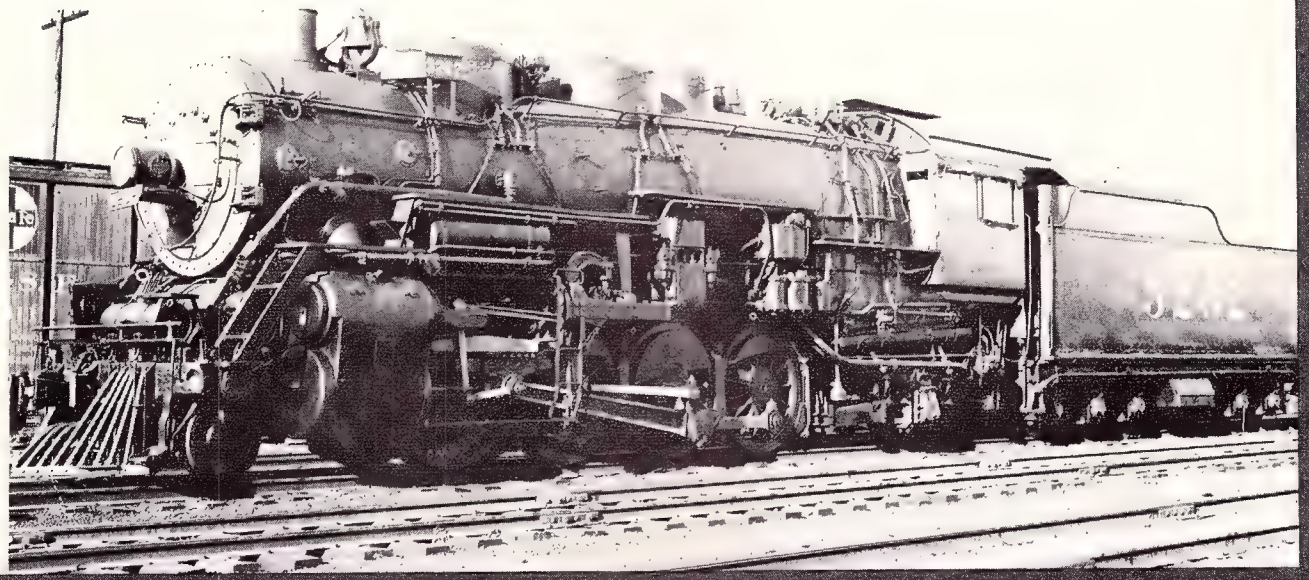
FIREBOX MAIN



CAB
REAR FRONT

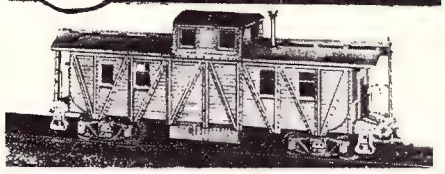


TENDER
REAR FRONT



To get what you want
ASK YOUR DEALER
TO ORDER FROM TROST
3140 W. 63rd Street Chicago 29, Illinois

Red Ball
BRACE-SIDE CABOOSE



All Metal parts except roof and floor; has archbar caboose trucks, Kit No. 21, $2.95 Ppd. Use code word 'HOBO' when ordering this kit and receive beautiful Sign Board kit FREE.
RED BALL Cabooses, work-train cars and special purpose cars are unsual and authentic.
Ask for copy of Red Ball News showing latest models. Or send 50c (refunded with $5 order) For Catalog No. 9 showing many Private Owner Reefers in full color. Ask for Red Ball Savings Stamps and save 10%.

Sold Retail from Factory Only

M. Dale Newton Co.
P. O. Box 929 Medford, Oregon

IT MEANS BETTER HOBBY SERVICE FOR YOU

Dealer! for a free sample copy write to:
CRAFT, MODEL and HOBBY INDUSTRY
30 East 29th Street
New York 16, N. Y.

SNOW ON THE NARROW GAUGE

by Dick Andrews

NARROW gauge railroaders have always been proud of their little pikes and the regular train service provided. This means keeping the line open at all times. A blizzard may tie up a weedy, wheezy branch line until mild weather, but our narrow gauge is going to provide regular train service regardless! Rotary plows are expensive — and a regular snow plow car might not be on hand — but the little narrow gauge locos will take on the high drifts with a pilot plow and buck their way through! Hey! word has come from the operator up on Imp Pass that a blizzard has blocked the tracks, and if we're going to get our regular mixed run through to the junction, we'd better get a plow train on the road now and clear the way. There's no snow down where we are, but Imp Pass is above timber line, and that's another story!

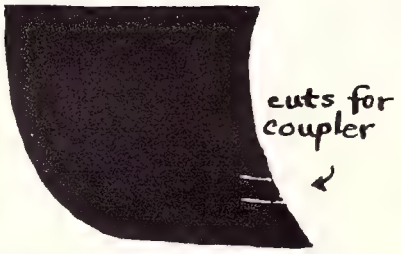
The plow train is quickly made up on the "ready" track. In the lead is a small engine, sporting a big steel wedge plow bolted to its front end. Behind it a couple more locos are ready to push (and also pull the plow loco back on the track when it gets off). Then there is a gon or two of coal. Snow will fill water tanks up there, but we might get stuck for fair if we run out of coal. On the end comes a coach or caboose, because the section gang is going along too. You'll quickly see the reason when we get up there. In quick succession the locos whistle off, and with the last blast of the loco on the end of the string, all hoggers start to work steam.

A rotary plow is pushed slowly along, but not a wedge plow! Locos push along at a good clip, and when they hit a drift, the snow really flies. Finally we reach a deep cut packed with snow. Here the cars are cut off and the engineers get down to business. They back off a quarter mile or so, whistle off, and open up wide on their kettles. They hit the drift — the snow gives, heaves, and then begins to pack back down. The plow engine runner whistles the warning (he can't see a thing but he feels it) and all slam over into reverse and yank back out. That's the art of it — knowing the "feel" and when to yank free.

Oops! so we're stuck now. Here is where the section men come up and dig us out by hand. And so it goes — until we get through to the junction. The little two foot gauge Sandy River line once took three whole days to get through the 18 miles down to Farmington. But it got through . . .

As the snow may be all up above timber line (off beyond that tunnel over there) and remain a threat right through the summer it is well to have one or more locos ready with a pilot plow. They are easy to make out of beer can stock — and the results add a lot of "personality" to your loco. The template here is for one wing of a plow for On2, and will make a plow about 2" wide. Scale yours accordingly so as to clear the snow enough for your widest rolling stock. The plow can be a small one — no higher than your pilot beam — or as high as the stack. A few minutes work — and you will add a lot of color to the pike.

Obtain a can of beer and drain properly. (Soup can will also do.) Open ends and cut metal free of seams and crimps. When free of these, it should handle easily. Work up a paper template according to the size you want, and cut out a sheet of the metal big enough to form both wings of the plow. Fold in half, glue on the template or just outline around it with a scriber (this is not critical, any of it), and then cut out your plow with a pair of shears. The thin metal should cut easily and cleanly.



Template for pilot plow full size for 1/4" O gauge. Make two from tin can, solder together.

My first model had just a small rounding at the lower outer corners, which resulted in a sort of "sucked in" look when the plow was bent to shape. That won't do! We have to have the little kettle looking afraid of nothing — rather than seeming to flinch! Thus the wide curve up the outside is needed — to give the plow its menace for the snow.

Cut out the coupler slot with two parallel snips. This leaves a tab of metal on each wing which can be easily broken off clean by bending back and forth with a small nose pliers. With the plow cut out, open up and hold in your hands with the point towards you. Now it's simply a matter of getting the front edges to meet, bending the wings in your fingers until they do. And there is the plow shape. A narrow thread of metal left at the point will hold the two wings together, but if that breaks in handling, it's still not hard to put together.

The soldering job is of the simplest. Get the iron good and hot, and with plenty of solder, simply fill up the inside of the V enough to get rid of any crack and to hold the plow. I found no further brace necessary. The unit is light, and can be mounted on the loco any way that seems indicated according to the front end construction of your loco. It may be possible to bolt it on — or to hold it on with wires soldered to the back side of the plow and hooked onto the loco. Whatever you do will hardly show. Now your loco will really look like Mr. Five by

Five and it will be ready to do battle with drifts at any time.

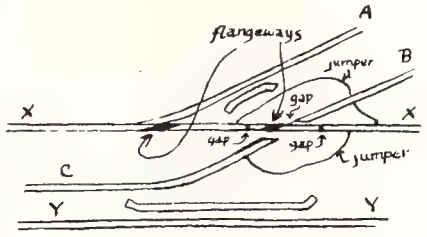
Actual snow is of course impractical on a pike — even in artificial form. But Jack Alexander, veteran On3 narrow gauger, has staged rock slides on the track with cork rocks — and this is another reason for your mountain locos being equipped with a pilot plow!

How big is a narrow gauge loco? Isn't an 0-4-0 a small loco on any pike? Then — if that's so — isn't a narrow gauge 2-8-0 "Consolidation" type a pretty big loco? Or where does the small size come in? Well the loco shown is a model of Sandy River RR No. 1 — in ¼" scale. That makes her "On2". Her wheel arrangement is 0-4-4T — which means the tank is joined onto the back of the cab and the overhang supported on a four-wheel truck. This loco is 5" long, and hardly as big as an HO switcher — although she's in O — not HO — scale! And she is a road loco — not a switcher . . . This is an illustration of the really amazing space advantage of narrow gauge — in any scale. That is what makes it practical — for model railroading — aside from the charm and color of the narrow gauge prototypes.

Kemtron's HOn3 "Montezuma" is a model of a 35 ton prototype 2-8-0, as used on 3 ft. gauge in Colorado and elsewhere. Run her alongside a Varney HO Dockside 0-4-0T, and you'll note the comparison and the fact that the Dockside looks all of her prototype 62 tons in contrast! The HOn3 loco has smaller drivers and a much smaller boiler, and the cab and fittings are not so small — giving a clue by proportion of her real size. But compared with the HO standard gauge kettles — and the HOn3 track compared with the HO alongside of it — she is small and she'll give the standard HO gauge a feeling of the real MASS AND HEFT of big railroad prototypes — such as the Dockside — all alone — will not suggest. This is the reason — if you like the big stuff — for going in for narrow gauge and the little stuff. There is no loco prototype anywhere — no giant diesel or articulated steamer — that will look big as it really is on the model pike — without something SMALL alongside for contrast.

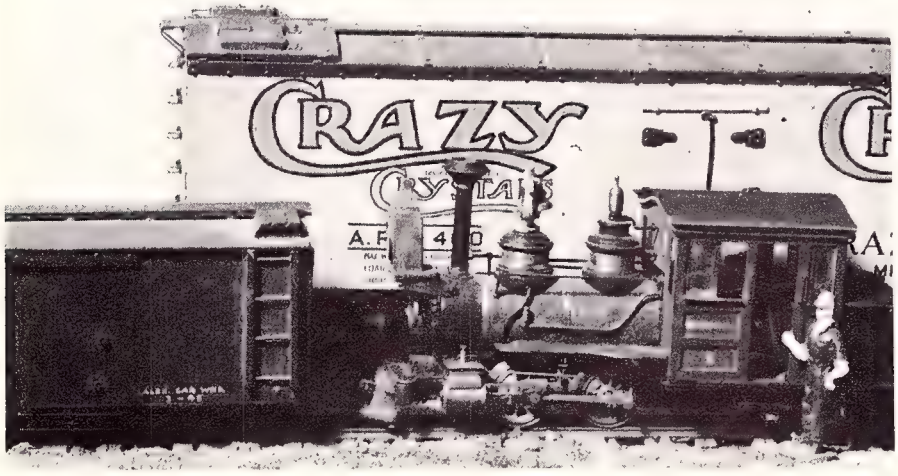
In the January issue, Bill Schopp described dual gauge trackwork in HO and HOn3 for Atlas track. Here is another angle — a lot simpler than a dual gauge switch — for getting the narrow gauge and standard track together — or away from each other — whichever way you look at it. This turnout has no moving parts, and it works fine — I've used 'em on more than one pike.

Figure the angle of departure you want — or "frog angle" as it's called. This is simply measured by units — and an angle that is going off one inch in every four is a No. 4 angle frog.



Turnout of narrow gauge from standard gauge requires no moving parts; can easily be made.

Take the rail "B" and file one end down to that angle. And file away enough of the base so that it will fit up against rail "X". File the same angle in one end of rail "C" and line it up, on the other side of "X", with rail "B" so that they form a straight line. Curve rail "C" around so that it is 10.5 mm. away from rail "X" when it straightens out, between "X" and "Y" and parallel to them. Now form rail "A" so that it will fit up against "X" (you'll have to take some of the base off of "A" too at the end to do it) and maintain its curve and 10.5 mm. spacing from rails "C" and "B" Slip some thin wooden or cardboard ties in among the Atlas ties and spike the extra rails to them for now. As soldering will melt the plastic ties, cement the guard rail as shown alongside rail "Y". The guard rail alongside "A" can be soldered there. Leave gaps as shown at the "frog" (where "X" intersects with "B-C") and also cut gaps into "X". We have to insulate that frog. Jumper wires will take the juice around it as shown. Solder these to the outside of the rail — with a hot iron — quick. Take a zona saw or loose hacksaw blade, and cut flangeways for the narrow gauge wheels along "A" and "B-C", through the head of "X". That completes a very simple type of turnout such as is still used today in South Africa where their narrow (2 ft.) and standard (2 ½ ft.) gauges part company.



5 five big features in PFM's new Loose Leaf Catalog

1. It's a COMPLETE KEMTRON CATALOG. PFM lists and stocks everything Kemtron makes, from a tiny screw to an O scale diesel. If Kemtron makes it PFM has it—and keeps you up to date by issuing new sheets.
2. PARTS SERVICE: Numerous scale drawings of etched and cast brass parts for scratch builders and freelancers.
3. NARROW GAUGE SHOP: Locos, rolling stock, rail, HOn3 turnouts. Complete Binkley stock.
4. PFM's exclusive products, all cast-brass EMD Switcher; Code 100 nickel silver rail; new model locos coming in standard and narrow gauge.
5. SELECTED IMPORTS: New products of high quality and detail at remarkable prices.

SUBSCRIBE NOW: 25c brings either HO-HOn3 or O-On3 section plus new sheets issued for a year. OR—SEND $1.00 (refundable on first $5.00 order) and receive either section with handsome ring binder for 5½" x 8½" sheets.

√ **CHECK THESE OUTSTANDING VALUES:**

EMD FT DIESEL: The one on the January cover! 8-wheel powered A unit, B dummy, brass body, excellent detail, double headlight, etc. Assembled, painted, ready-to-run, choice of NYC, Pennsy, UP, Santa Fe: **ONLY $24.95**
Unpainted kit **19.95**

HUDSON 4-6-4 NYC. Beautifully engineered and highly detailed. Every quality feature including slotted brass journals, floating gear box, Baker valve gear. Direct import. Complete kit **$29.95**
Built up, painted, lettered **34.50**

GP 7 DIESEL ROAD SWITCHER. Top quality in every way—eight wheel drive. Choice of GN, Santa Fe, UP, SP. Direct import. Built-up, painted, ready to run **$29.95**
Complete kit **22.50**

NICKEL-SILVER RAIL: American drawn, beautiful cross-section. Greatest improvement you can make to prototype with finest electrical characteristics.
CODE 100 for HO, per 99' bundle **$5.95**
CODE 70 for HOn3, per 99' bundle **7.95**

COMING TO PFM: HO 2-6-2 that LOOKS like a locomotive! Either production or hand-made models setting a new high in quality. ALSO A VERY LIMITED NUMBER of D&RGW K28 outside frame HOn3 Mikados. FIRST EVER OFFERED HO NARROW GAUGERS.

PFM Pays ALL the postage

YOU'RE DOLLARS AHEAD — YOU'RE KEPT INFORMED

PACIFIC FAST MAIL

P.O. Box 57 Dep't R3 Edmonds, Wash.

LOOK

MORE THAN 600 *Fine metal castings* O-HO

Car and loco parts—figures—signals—animals—flat car loads—signs—wagons—trackside accessories—fences—switch stands—mail boxes—truck sides—hundreds more!

BIG CATALOG!
EVERY ITEM ILLUSTRATED!
Send 10c for your catalog . . . NOW!
SPECIAL: Pair of 60-ft. HO bridge girders $1.25.p.p.

SELLEY INC.
744 Clay Street
Dept. 19
Winter Park, Florida

Ask your dealer
Dealer Orders Filled Promptly

"SWAPPERS COLUMN"

A free trading service open to all readers. Non-commercial items sent are published free and in good faith. RMC can assume no responsibility for difference occurring between reader and advertiser. Make sure that you fully understand all details of trades before concluding negotiations. Items submitted to this column must be kept short, printed clearly, abbreviate where possible. Priority will always be given those sending in ads not more often than once every 3 months. We cannot repeat ads and we reserve the right to reject those that we feel are objectionable or beyond the scope of this free service. Send your ads to: Swapper's Column, Railroad Model Craftsman, Ramsey, New Jersey.

TRADE: Hobbytown E-7 powered and dummy unit. Like new. Built and painted but not run; also have Athearn wreck crane. Want Mantua General in kit form only. Bill Bradley, 1918 Juanita St., San Angelo, Texas.

FOR SALE: HO gauge frt. cars, track, accessories. Also RAILROAD MODEL CRAFTSMAN, Model Railroader, HO Model Trains Magazines, dating back to 1950. Stamped envelope for list. Martin Berger, 1301 E. 37th St., Brooklyn 10, N. Y.

WANTED TO TRADE: Lionel Std. gauge elec. type loco, No. 8, with gond. No. 512, flat No. 511, caboose No. 517, station No. 124, oval of track with bridge and approaches, transf. in fair to gd. cond. for Lionel O gauge. E. Reichow, 711 N. Monroe, Albion, Mich.

WILL TRADE: Hobbytown E7 and Varney A-B-A units built up. Also English A-B units, Athearn RDC units and Bavaross F.M.A. unit in kit forms. Want frt and pass. cars or anything else in HO. William Shlapack, 1838 Oakdale Ave., Lorain, Ohio

FOR SALE: HO—75 ft. flexible track on fibre tie strip, 75 ft. flexible cork road bed, one loco. pack power supply, 4 LH switches —all new—money back guarantee. $30.00 for lot or buy separately. Allan Anderson, Belmont, Nebr.

WANTED TO BUY: Old time HO locos. Belle, General, Mogul, or any others, good, bad or junk. None new. State price and describe cond. Stanley Stahl, Box 433, R.F.D. No. 5, Cumberland, Md.

TRADE: 2 audio frequency trans. 2 tube sockets and 2 radio dials for Lionel trans. and 027 operating dump car. Dan Cook, 221 W. Moreland Ave., Lansing, Michigan.

EXCHANGE MODEL RR PASSES. Also passes printed in exchange for HO equip. A Farrow, 820 S. "B" Auburn, Washington.

TRADE: 10 std. gauge locos and other equip. for stamps or sell for cash. C. G. Wright, 201 Mealey, Hagerstown, Md

SWAP: Books on magic covering every phase of the art. Also tricks and gimics for anything in TT gauge or HO or TT Pacific, value about $80.00 W. Clark, Box 247, Candido Ave., Shirley, L. I., N. Y.

FOR SALE: Large quantity Lionel and A.F. "O" gauge locos. pass. and frt. cars, track, transformers, switches and accessories. Some std. gauge equip. and old catalogs and back issues of model magazines. Russell McLaren, 1035 Mapleton Ave., Oak Park, Ill.

FOR SALE: Lionel frt. cars with knuckle couplers—10 pr. Lionel RC No. 711 0-72 switches. Send for list—3c stamp Dana M. Page, 2 Hood Rd., Danvers, Mass.

WILL TRADE: Send stamp for list of Lionel Bargains. Want 3459 silver, green—2856 silver—2800, 2900, 700 equip. Otto A. Ondroxzky, 965 E. 226th, New York 66, N. Y.

TRADE OR SELL: 10 O gauge billboards excellent cond. 3" x 5" heavy cardboard. Trade for Athearn or All Nation pr. truck O gauge used in gd. cond. or sell $1.40. C. R. Edwards, R.F.D. No. 2, Box 90, Windsor, Va.

WANTED: Toy Buses sold by Greyhound Lines especially cruiser type of 1937. G. Janes, 2235 35th Ave., San Francisco, Calif.

FOR SALE: Lionel O gauge equip. cars, track and accessories in gd. to excellent cond. Martin Goldberg, 22 Pondfield Pkwy., Mount Vernon, N. Y.

WANTED: Trolleys — catalogs — voltamp and Lionel. George Smith, 651 W. 137th Place, Hawthorne, Calif.

FOR SALE OR TRADE: HO Hobbytown road switcher kit, 2 Globe diesel kits, 1 Athearn reefer kit, 1 MDC box, 1 MDC gondola, 2 Atlas switch kits for O gauge 2 rail engine kit, car kits and parts. R. E. Morris, 19 El Camino Real, Vallejo, Calif.

FOR SALE: Excellent O gauge frt. cars, new Lobaugh Pacific kit, Skyline buildings, Truscale roadbed, switches, trucks. Send for list. G. Lawrence, General Delivery, Martinez, Calif.

FOR SALE OR TRADE: Mantua Booster and 4 wheel streetcar, blt. never used, $7.00 each or will trade for RDC's 2, 3, 4, powered or trailer units, or gas-electrics. For sale International 0-4-0 switcher w/t blt, never used $12 Have 29 misc. back issues of RAILROAD MODEL CRAFTSMAN and 28 issues of Model Railroader to sell or trade for other issues or books, or HO equip. 10¢ for list. D. M. Christsen, Box 122, Columbia, Mo.

FOR SALE: Mantua Belle—$20.00, Varney diesel switcher $14.00 and others. Also frt. and pass. cars. misc. Greatly reduced. List for stamp. Jack Mamula, 240 Carlisle St., Gettysburg, Pa.

FOR SALE OR TRADE: For O gauge equip. 2 Varney F-3 dual drive A units, 1 Bowser Pacific, 2 MDC 0-6-0 switchers, 1 Lindsay Rd diesel, dual drive. 42 asst. frt. cars 21 switches, 14 switch mch. 130 ft. track, 2 power packs, etc. $500.00 worth HO equip. sell for $200.00. Send for list. R. L. Sohn, 1821 N. 53d St., Superior, Wisc.

FOR SALE: Lionel Sante Fe diesel, 2-6-2 steam engine; 7 frt. 3 pass. cars, access. gd. cond. Sell separate or in groups. G. Wesley Clark, Box 146, Mahopac, N. Y.

SOMETHING DIFFERENT, collector's item, no reasonable offer refused. 1 set Monorail Trains, 3 cars, 1 loco. 18½ ft. rail. Geo. Loblein, 9446—85th Rd., Woodhaven 21, N. Y.

FOR SALE: HO gauge — locos, cars, structures. Send stamped envelope for list. All equip. guaranteed to operate. E. F. Krupp, 632 E. 160th Ct., S. Holland, Ill.

WANTED. HO cars, engines. Send for information. Tom Miller, P.O Box 42, Fairbury, Ill.

WANTED: 2 or 3 HO Brass Betsies, either kit or built, in gd. shape. Will buy or will swap modified HO Penn. Line H9 Consolidation in on the deal. J. W. Mims, Box 592, Midland, Texas.

FOR SALE: Std. gauge Lionel—found in attic, excellent cond. some in original boxes. Send stamped envelope for list. F. Kenny, 244 Thompson Shore Rd., Manhasset, N. Y.

HAVE: Lionel Hudsons: 700 EW, 763 EW, Pennsy. 0-6-0, scale frts. 714, 715, 716, 717. 072 solid rail No. 731 electric switches, No. 711 tubular 072 R.C. switches. Also new Lionel train catalogs from 1931 to 1953. Duplicate Back issues RAILROAD MODEL CRAFTSMAN, Model Builder, Model Maker, Model Railroad, Trains. Send want lists. Have std gauge Lionel Olympian 381E, 4-4-4 engine, new blue Comet pass. cars 420, 421, 422. Will trade anything for old trains, catalogs, any make, before 1920, B. Smith, 265 Tompkins Ave., Brooklyn 16, N. Y.

WILL TRADE: Genuine South American Chinchillas of fine quality for HO trains, track or layout. N. Holt, East Aurora, N. Y.

SWAP. Penn Line 4-6-2 kit, Varney Tender kit. Hobbytown E-7 twin drive, test run only, perfect, unpainted, scale like 1 cent. clutch kit for the E7. 5 Ea. Ohmite rheostats, 35 Ohm, new. Varney Bayside caboose. 50 Ea. 6/8 volt bayonet base lamps, new. Pop. Mech., Pop. Science, etc for the pst. 15 years. Want: Mantua 212 pacific, 208 mike, Mantua General motor, Berkshire, mountain, MDC switcher train kit, Walthers pug coaches, etc. Make an offer. HO preferred or will take cash. G. L. Quinn, 41 Burtis St., Cradock-Portsmouth, Va.

FOR SALE: Apartment dweller can't get right-of-way. Selling at big discount. HO gauge empire steam locos, frt. and pass. rolling stock, elec. accessories, signal devices, super detailing parts, custom built and regular switches consisting some double slip, double crossover, 3-way, ladders, etc. Brand new kits. Items assembled offered on money-back basis. G. K. Butterworth, 709 W. 15th Ave., Spokane 41, Washington.

WILL TRADE OR SELL: New Rolax Camera with flash attach. large carrying case for Mantua Pacific or roundhouse Atlantic or untouched HO frt. car kits. $29.95 value. Glen Vaughan, 830 Maple St., Fort Morgan, Colo.

WANTED: TOY TRAIN catalogs also Model Magazines before 1940. Paul Moore, 1417 So. 11th Place, Birmingham, Ala.

FOR SALE: Penn line L-1 Mike No. 26 and Mantua General No. 20. Gd. cond Bob Venables, 326 Mercer St., Gloucester, N. J.

FOR SALE: Complete line Pasticville U.S.A. value $50.00. Selling price $25.00 or sold seperately. James Mohan, Jr., 227 Chestnut St., Ashland, Pa.

WANTED: AF engines and cars, 3/16 scale. Must be in gd. cond with inspection privileges to D. Wallace, 399 Spring Hill Drive, Lexington, Ky.

FOR SALE: Lionel diesel type steam loco., tender, baggage, pullman and obs. cars, pre-war, $20. AMT Sante Fe diesel, powered, 1 unit, new $26.00. 1 Lionel No. 3484 operating box car, new, $4.50, 1 Lionel No. 93, water tank, used, $1.00. First $48.00 gets everything. Drexel, 1727 E. 85th St., Chicago 17, Ill

FOR SALE: Penn Line K4 Pacific. Brand new, test run only Superdetailed, complete w tender. Has wkg. drp. cplr. pilot; painted, lettrd PRR. Best offer over $30.00 takes it Bob Kaelin, Box 65, Villanova, Pa.

SWAP: For TT or HO Scale-Craft O box car kit, value $5.75. J. Lucas, 9120 Nelson, N. O. La.

HAVE: 7 HO frt. cars ex. cond. $10.00, Laconia comb. lights and interior $5.00. Pop. plan and pic. book $4.00, 55 M.R. mags. 51—Jan, 55. Atwood water cooled outboard $8.00 21" semi-scale boat to match $10.00. Want DeBolt 3 PN and 3P servos S. Starley, 1701 W. Third St., Brooklyn 23, N. Y.

FOR SALE: Complete O gauge train set good cond. Send stamp to Bill Spencer, 1505 Carrol Dr., Altadena, Calif

FOR SALE: 1 HO Varney F3 diesel in gd. cond. Ready to run $11.50. F. A. Daniels, 102 Rodi Road, Pittsburgh 35, Pa.

WANT TO BUY: Lionel type ZW 250 or 275 w. transformer. State price. H. Reyburn, 3442 Fenton Ave., New York 69, N. Y.

TRADE: Thomas O gauge Consolidation not comp. with extras. Want 2 HO gauge locos preferably old timers on dollar for dollar basis. Send stamp to G. Tufford, Route 1, Maple Plain, Minn.

WILL TRADE: Common capital stock in my Chicago, Skokie & Lake Michigan R.R for stock in your railroad. Also exchange passes. Lee Bolman, 1344 Morris Rd., Wynnewood, Pa.

WANT: TT loco with or without tender and track, switches and other equip. K. Gaidziunas, 317 Corning Dr., Bratenahl, Ohio.

SELL OR SWAP: Lionel 027 layout of 2 engines with tenders, 8 cars (2 action) 6 switches, track, cattle yard and car, coal loader and car, transf. lights, etc. Want cash, HO or TT. List for stamp. P. Cleveland, Lyon St., Naples, N. Y.

FOR SALE OR TRADE: Lionel No. 675 loco and tend. $17. 2 Lionel No. 6257 caboose $2.25 ea. 3 Lionel NYC box cars $2.50 ea. 1 AF No. 350 Royal blue loco and tend. $10. AF No 780 trestle set $5. 32AF No. 702 curved track 18¢ ea. 12 AF curved O gauge track $2.50 1 AF No 630 caboose $2.15 —12 AF No 726 straight roadbed 19¢ ea. 10 AF No. 727 curved roadbed 19¢ ea. D. Haustein, 94 Winans Ave., Cranford, N. J.

FOR SALE: Marx elec. train equip. gd. cond. Stamp for list. A. Brinck, Belgrade, Minn.

FOR SALE: OO gauge locos, pass. cars with Scale-craft, Nason, Graceline, J-C Models, box cars, Reefer cars, gondolas, flat cars, cabooses, snow plows, track, switches, etc. Blt. up and kits. C. Ferris, 33 Union Place, Akron 4, Ohio.

TRADE: Revere 88 movie camera. Mossberg 16 ga. variable choke shotgun or comp. fly tying outfit for Mantau General or Belle, or Kemtron Montezume—preferably kits. W. Elieson, 1208 Redwood Dr., Salt Lake City, Utah.

FOR SALE: AF equip. 2 locos, cars and transformer $55. John Grimm, Route 6, Box 138, Olympia, Wash.

WILL SWAP: For TT: 21 pr. HO trucks — Silver streak — 48 boxes Dynamo figures new. 5 frt. cars A-1, 1 Mogul A-1 etc. H. A. Freeman, 122 S. 15th, Allentown, Pa.

FOR SALE OR TRADE: A-B-A Shark nose Diesel 1 powered 2 dummy, weighted, super detailed spray painted New, $29.50 or trade for 1 Mantua Big "6" kit and 1 Penn line new 12 wheel tender kit. T. A. E. Parks, P. O. Box 928, Princeton, W. Va

FOR SALE: 2 pr. Lionel 022 remote control switches non-derailing. Perfect cond. $15. pr. R. Moyle, 101 Park Ave., Maywood, N. J.

WANTED: Denise HO gauge Great Norther electric any cond. D. E. Wagner, Box 145, E. Alton, Ill.

SWAP: HO Maerklin Trix, ET—11 locos. 102 cars, 105 sec. tracks good cond. Want Lionel Hudson No. 700, 763—NYC AA Diesel GC-1. AF Diesel rocket—twin diesel switchers UP challenger, Hudson, Yard King, F. Karn, 3658 Louisiana Ave., St. Louis 18, Mo.

FOR SALE: 1 1951 AF catalog 20¢, 1 1954 AF cat. 10¢, 1 1952 AF cat. 15¢, 1 1953 Lionel with 10 bill. boards 15¢, 11 issues of TOY TRAINS, $3.52, 1952; 6 issues TOY TRAINS 1953, Jan. to Oct. $1.92, 2 issues TOY TRAINS, Jan., July, 1954, 84¢. Ronnie Zemlajk, Rte. 1, Box 71, Butte, Mont.

FOR SALE: 13 volumes of Railway Gazettes, 1878, 1882, 3, 4, 5, 7, 8, 9, 1890, 2, 4, 5 and ½ of 1907 (Ry. age) Sell lot at $10.00 each. J. H. Armstrong, 19 W. Grand St., Berea, Ohio.

SWAP OR SELL: HO Varney diesel switcher, Lionel 110 R transformer. AF 60 watt transformer and AF 4 amp. rectifier. Pacific or Atlantic and Hobbytown — also 2000 h.p. dummy A unit, S.W. .44 cal. revolver to swap for Bowser articulated. John Brown, 118½ Apple St., Tiffin, Ohio

FOR SALE: AF S gauge Santa Fe diesel, powered A unit & dummy B unit plus pass. cars, track & acc. Valued over $75.00. Best offer over $45.00 takes it. N. Swerdlow, 930 S. Ridgeley Dr., L.A. 36, Calif.

WILL TRADE: 2 Lionel O22 switches, left hand, hardly used, excellent cond. for Century 100 mile hours switches. Manvala type. What do you offer? R. Dommers, 58 Wall St., Wallingford, Conn.

SELL OR TRADE: 3000 different stamps, 1000 duplicates, cat. cal. over $100.00, want HO gauge loco. or track switches. Bob Monroe, 347 S Old Orchard, Webster Groves, Mo.

FOR SALE: Varney A-A Diesel—DC91 powered, 8 matching Kasiner streamliners, other misc. new kits Prefer local buyer—will demonstrate. Carl Abbe, 54-38 64 St., Maspeth, N.Y. ILlinois 8-2523.

FOR SALE: Pictures. Send 10c for list and sample. State whether railroads or famous model railroads wanted. A. Poschman, 3627 Murdock Ave., Bronx 66, N.Y.

FOR SALE: Lionel, 1 No. 2025 loco. with tender, 1 No. 2034 loco., 1 No. 6419 caboose 1, No. 6035 tank car, 1 No. 6032 gondola, 1 No. 167 whistle controller. Donald Berry, Route 1, La Grane, Ore.

FOR SALE: AF S gauge A-A Diesel with k/c. Hudson with k/c. 13 frt. cars with k c. 5 aluminum pass cars. Twin control trans Track with rubber roadbed Robert F. Marquardt, 2528 Mont Clare, Chicago 35, Ill.

TRADE OR SELL: Railway equip. Registers. Contain rosters and principle dimen. of U.S. frt. equip. Trade for Maerklin HO or sell $1.50 each. J. Winslow, 789 Franklin Pl., Franklin Square, N.Y.

WANTED: Flexi-pack master unit and an unpainted Varney HO F-3 Diesel "B" unit, powered or dummy. Will pay cash or have 2 specialized stamp collections, Asian and Scandinavian as exchange for these items or other HO powered or rolling stock, or photographic accessories William Close, 1908-B Woolsey St., Berkley, Calif

FOR SALE: AMT S.F Diesel and RDC-1 perfect P P. $35.00. A. E. Mack, Truro, Ia.

FOR SALE: Lionel—2 engines, 13 cars, track, asstd. bldgs. bought for $320.00. Will sell separately or small sets. Send for list. Barry Fichter, 47 Frederick Ave., Clifton, N.J

WILL TRADE: Large quantity O gauge scale, all new and unused for HO gauge engines, kits and equipment in excellent cond. Send your lists for mine. Kenneth Butterfield, 624 Arthur St., Plymouth, Mich.

SELL OR TRADE: 2 AF S gauge locos. and asstd. frt. and pass. cars. C. Robart, 93 Stratham St., Lowell, Mass.

FOR SALE: Funnels and trestle bridges—with name of train—for all makes of trains $1.00 ea. Ellsworth Griner, 504 S. Warren St., Trenton, N.J.

SALE OR TRADE: Used Lionel O Penn. steam turbine loco, 6 asstd. frt. cars gd. cond. $40 00, or trade for HO equip. in gd. cond. Also Lionel O 2-6-2 loco. track, equip., fair to poor cond. $25.00 or HO equip. Nick Hille, 1276 Pass and Convina Rd., Puente, Calif.

WILL TRADE: 1 English FM dual drive diesel for English 0-4-0 switcher. Preferably kit form. Bruce Dahlgren, County Line Rd., Corfu, N Y

TRADE: Transformers that will deliver a full 200 watts at the output, with ten coil taps from 3 volts to 18 volts and an extra 23 volt tap, for your surplus O gauge, either scale or plate. G. E. Thompson, Kula & Kula-TV., Honolulu.

WILL TRADE: 17mm wide angle F2.7 lens for 16mm movie camera; 16mm Cine-Kodak Editing viewer; various color film correction filters in Series VI size; 7 brass trolley bell for: 1890-1910 HO equip, such as Belle of '90's, etc. and Jersey Central Line prototype items. Fullerton, 34 South Quentin Ave., Dayton 3, Ohio.

WANTED: Old time HO locos. 22 cal. revolver 12 gauge double barrel shotgun. Have Varney Brute A with new Glove E-7 housing, extra detail, U.P. markings, Globe F-7 dummy, B, good cond $12.00. Varney A—F-3 housing and complete B unit unpainted $2.00. 4 Kassiner streamlined pass. cars with central valley trucks $12.00. Yard hog, condition new $10.00. E. Borowicz, 1023 Madison Ave., Elizabeth, N. J.

FOR SALE: Marx frt. cars 8 wheel auto-coupling. 1 NYC box car, 1 AT&SF stock car; 2 Shell tank cars; 1 B&O high side gondola, 1 C&O low side gondola, 1 NIAX tank car; 1 flat without side posts; 1 tender for No. 999 loco, 1 all red caboose; 1 pass. coach, 1 pass. Astra-dome; 1 pass. observation. All pass. cars repainted black roof, blue and yellow sides, 1 pr. Marx frt. trucks, 1 pr. pass. trucks. J. Burruss, 631 Whitehall St., Jackson, Tenn.

TRADE: TT-H.P. A & B Unit pass. diesel assem. and painted but not wired, never run; 1 post., 2 coaches assem., 1 observ. not assem for 2TT locos. of smaller radius, or kits. L. F. Anson, Jr., 526 E. Lexington, Independence, Mo.

WANTED: Lionel O—072 locos. Hudson 227 switcher GG-1 frt. cars 700 or 2900 series, old catalogs. Will trade new equip. O—OO —HO or pay cash. Walter J. Dronek, 1339 Alameda Ave., Glendale 1, Calif

WANTED: Back issues of RAILROAD MODEL CRAFTSMAN, M. R. and many other model and real railroad magazines. Send for list. J. Stubenrauch, 166-04 71st Ave., Flushing 65, L.I., N.Y.

FOR SALE: Ives, Lionel and AF catalogs, Weeden stationary steam engines, 3 std. gauge train sets. F. Heimann, 580 Forrest Rd., W. Haven 16, Conn

WILL TRADE: AF S loco. and GP-7 switcher, cars, track, one pair switches, transformers, etc., $150 00 worth, in excel. cond. for 2 rail HO equip. of same value. O. A. Lopez, P.O. Box 155, Hato Rey, Puerto Rico.

FOR SALE: O gauge D.E. interurban frt. motor, Pittman scale 8 wheel drive A.C. motor and car sides, monitor roof, bob tailed, best offer over $25.00 accepted. Also, 2 Pittman tinplate A.C. traction motors $15.00. R. F. Radway, 14890 Monica, Detroit 38, Mich.

FOR SALE OR TRADE: 1 Mikado — K & D No. 2 A.C.-D.C. motor drum reverse. 1—2-8-0 Consolidate No. 1 D.C. motor, 1 4-6-0 10 wheeler Casey Jones No. 1 D.C. motor. All in gd. cond. All numbered and lettered I.C.R.R. O gauge scale. M. L. Boylan, 433 Center St., Waterloo, Iowa.

FOR SALE: AF equip. Santa Fe diesel—2 4-6-4 Hudsons—2 4-4-2 Atlantics 0-8-0 switcher hand car —25 frt. cars, few pass. cars, auto. and manual switches, track Cheap. Send stamp for list. P. Brown, 122 Woodhill Dr., Amherst, Ohio.

FOR SALE: Lionel No. 42 old eight wheel std. gauge elec. loco. All paint and decoration is original. $30.00 Edna Larson, 6436 N. Hamilton Ave., Chicago, Ill.

FOR SALE OR TRADE: HO Hobbyline diesel switcher No. 1000 Never run. 8 assorted cars, 14 sections Penn. Line rubber roadbed track, 2 dummy Globe diesel kits. $20.00 or best offer. Will consider O gauge equip. in trade. Lou Ellison, 3631 W. Dickens, Chicago, Ill.

HAVE: Penn Line Atlantic, trade for Lawrence G P.-7; also consider Lindsay Alco frt. A dual power; B or A dummy. Also, sell for best offer 6 pr. Mantua couplers extra loops. 30 pr MDC couplers, 5 pr. draft gear extra pieces of trade for Devore couplers open knuckle style. Scott E. Moyer, 3916 5th St. N.W., Washington, D.C.

FOR SALE: From private pike. Lionel cars and locos. AF S gauge cars and locos. Tru-scale roadbed — O gauge and S. Lionel std. gauge and O gauge scale locos. Send stamp for list. K. F. Koegler, 3346 Darlington Rd., Toledo 6, Ohio.

FOR SALE: ¼ scale Great Western model, early 4-4-0 type — custom blt. steam set $90 00. E. Larson, 6436 N. Hamilton Ave., Chicago, Ill.

FOR SALE: Lionel O gauge No. 681 Penn. 20 wheel steam turbine, tender, 3 car train and tracks, plus KW 1900 watt 115 volt transformer and floodlight tower. Gd. to excel. cond. Cost $65.00 will sell for $40.00 M. Rothenberg, 2241 E. 29th St., Brooklyn 29, N.Y.

FOR SALE OR TRADE: For HO, new Lionel gauge equip. gd. cond Send your list for mine. Bill Perry, 1098 Boyd Ave., Johnstown, Pa.

FOR SALE: Standard gauge, sets, separate pieces of rolling stock. Track, switches all accessories. Give number of car or loco. wanted, cond. desired, price you will pay. Consider S gauge in trade. Morris A. Vogel, 1321 Oram St., Scranton, Pa

WILL TRADE: 6 AF frt. cars equipped with Link couplers for 3 AF pass. cars No. 650, preferably green, with Link couplers. Michael Deal, 427 Evans, Lenox Apts., Reno, Nevada.

TRADE: Bowser Challenger Artic, less tender and Bowser Mountain with tender, both new kits. Will allow $20.00. Want a 2-8-2, 4-6-2, 2-8-0 or 4-6-0 in part trade regardless of age or make. Also want engine parts, drivers, cyl., etc. G. Simmons, 4316 Hillside, Lincoln 6, Nebr.

FOR SALE: Lionel O gauge equip. NYC diesel, ZW transformer, track, roadbed, etc. Send for list. Bill Maughan, 5 Sylvan Rd., Durham, N.C.

SELL OR TRADE: Have Lionel Scout with stock car, would like to trade for AF. Send list. Richard Sveed, 622 Manhattan Ave., Thornwood, N.Y.

WILL TRADE: Lionel O gauge locos., cars, track, switches, accessories and large transformers for Lionel OO pre-war 3 rail locos. Nos. 001 and 002 with whistle tenders, cars, switches, track and transformer. Send description. E. Mihoces, 4900 Third St., Versailles, McKeesport, Pa.

FOR SALE: HO parts and equip. List and description for stamp. Edward Thomas, 10009½ S. Main St., Los Angeles 3, Calif.

Localized Dealer Service

ADVERTISING RATES: Display - $21 6 mo. $35 - 12 mo. Two Line Bold Face $6 6 mo., $10 Catalog copy not acceptable

ALABAMA

Birmingham; Astons Hobby Shop
Birmingham; Morgan Model, 2856 Norwood
Florence; Crump Camera Shop, 117 N Seminary
Foley; Foley School Store

ARIZONA

TUCSON

HO & O Scale-tinplate kits
Lionel sets & acces. HO parts a
Specialty. Open Mon. & Fri. eves.

TUCSON TRAIN SHOP

4352 E. Speedway Ph. 6-2565

Morristown; Arizona Central RR Shop
Phoenix; Ariz. Eastern RR Shop, 2002 N 23

Phoenix—Hamp's Hobby House
147 E. McDowell Rd. Phone 4-0332

Phoenix—Webster's Hobby Shop
321 E. Camelback Rd. Phone 3-0344

Phoenix; Hobby Haven, 1614 E Thomas Rd.
Phoenix; Western Ariz. Sales, 8841 N Central
Prescott; Roger's Hobby, 329 N Virginia
Safford; Ariz. Hobby Inds., 616 5th Ave.

Tucson—Russ Webber's Tucson Trainshop
352 E. Speedway Phone 6-2565

Tucson; Townsend's, 2751 N Campbell Ave.
Yuma; HobbyCraft. 40 W. 2nd St.

ARKANSAS

Jonesboro; Stuck Paint Store, 216 Union
Little Rock; 555 Inc., PO Box 1901
Little Rock; Marshall Store, 314 Louisiana
Pine Bluff; Dunning Hobby, 1104 Walnut St.
Stuttgart; Leland's, 420 S. Main

CALIFORNIA

Alameda; Pacific Miniature, Trains, 1718 Bay St
Alameda; Alameda Craft & Hobby, 1315 Park
Alameda; Habe's Hobby Shop, 1416 Park St.
Alhambra; Wheel & Hobby, 14 S 3rd
Alhambra; Fergies, 19 S. Garfield Ave.
Arcadia; Wheel & Hobby, 160 E Huntington Dr
Arcadia; Jimmie's, 54 La Porte
Auburn; Hobby Shop, 1124 High St.
Bakersfield; Stamp & Coin, 1414 20th
Bakersfield; Stewart's, 900 21st
Barstow; The Hobby Shop, 402 E Main
Barstow; Georgina's, 427 E Main
Bell; Robbie's, 7613 Atlantic Ave.
Bellflower; Joe's Hobby, 17815 Clark Ave.
Bellflower; Kinkade's, 16548 Bellflower Blvd
Bellflower; Veteran's Hobby, 17211 Bellflower
Berkeley; Berts, 1823 University
Berkeley; Hobby House, 1751 Solano Ave.
Beverly Hills; Avocation, 313½ S Robertson
Beverly Hills; Foster's, 9895 Santa Monica
Berkeley; Kenn & Lee's, 1751 Solano
Brawley; Ray Ear'y, 116 N Plaza
Burbank; House of Hob., 1825 W. Verdugo
Burbank; Hobby Bobby's, 3518 W. Victory

Burbank—Hobby Junction
1134 Hollywood Way CH 8-1267

Burbank; Hobby Sup., 331 S San Fernando Blvd
Burlingame; Hobby Shop, 1208 Burlingame Ave.
Carmel; Craft & Hobbies, Ocean Avenue
Chico; Tops Hobby, 325 Broadway
Compton; Smokeys, 1305 E. Compton Blvd.
Compton; Tuckers Hobby, 329 S. Santa Fe
Coronado; Hobby & Sptg., 10091½ C Ave.
Daly City; Robbies Hobbies, 6073 Mission
Daly City; Hobby Shop, 6674 Mission
Culver City; Pico Model, 5407 S. Sepulveda

Culver City—J & M Hobby Supply
10770 Washington Blvd. VE 8-3815

Daly City; Robbie's. 6073 Mission St.
Dingsburg; Olson Bros., PO Box 276
El Cajon; Mike's. 564 El Cajon Blvd.

EL MONTE

EL MONTE MODEL SUPPLY

Open Evenings 7-9 except Fri. & Sun.

1105 N. Pacific Ave. Glendale 2

Fresno; Belmont App., 5047 Belmon Ave.
Fresno; Eastman,1449 Fulton St.
Fresno; Fresno Hobby, 2038 Mariposa
Fresno; Hobby Center, 1233 Blackstone Ave.
Fresno; Maruko Cyclery; 1153 F St.
Fullerton; Baker's; 119 E Commonwealth
Fullerton; Roberts Spt. Gds., 103 S. Spadra
Garberville; Unique Log House

Glendale—Finley's Hobby Craft
340 N. Brand CI 3-9332

GLENDALE

Specializing in Model Railroad Equipment and Supplies
Hours 9 A.M. to 6 P.M. Tuesday—Sunday

THE BRASS HAT HOBBY SHOP

1105 N. Pacific Ave. Glendale 2

Glendale; Hobbystop, 3354 Glendale
Glendale; Rossmoyne, 625 N. Glendale Ave.
Grass Valley; Hobby House, Partridge Hotel
Hanford; Davidson's, 219 Lacey Blvd
Hawthorne; Hobby Shop, 130 Plaza Square
Hawthorne; Jack's, 214 N. Hawthorne Blvd

HOLLYWOOD

HOLLYWOOD HOBBY & ELECTRIC SHOP

Repairs While You Wait
Hours: 9:00 A.M. to 8:00 P.M.
"Buy — Sell — Trade — Repair"

1522 N. Cahuenga Hillside 5070

Hollywood; Play Mart, 5516 Santa Monica Blvd.
Hollywood; Reginald Denny 5751 Hollywood
Huntington Park; Hobby World, 7119 Pacific
Inglewood; Coles, 109 S. LaBrea
Inglewood; Hobby Post, 11227 Prairie

Inglewood—Hobbyland
1205 North La Brea ORegon 8-3611

La Jolla; Modelcrafts, 10 Arcade Bldg
Long Beach; Barnes, 5358 E. 2nd St.
Long Beach; Bob's, 2120 East 4th St.
Long Beach; Brownies Hobby, 2031 Pacific
Long Beach; Jiggs Shop, 938 South St.
Long Beach; Linde's Hdwe, 2069 Santa Fe
Long Beach; Swaneys Hobby House, 527 E. 55th
Long Beach; Lakewood Hobby, 4420 Village Rd.
Long Beach; Bill's Train Depot, 2754 E. Broadway
Long Beach; Ray's Hobby, 1222 American Ave.

LONG BEACH

Complete Stock of Model Supplies
Railroads — Airplanes — Ships

RAY'S HOBBY MODEL SUPPLIES

1222 American Ave. Long Beach 13

Los Angeles—Allied Models
10920½ W. Pico AR 9-2228

LOS ANGELES

Specializing in HO
Weekdays to 9:00 P.M.

A & P HOBBY CENTER

5701½ E. Beverly Blvd. UN 1-7523

LOS ANGELES

Model—Hobby—Craft—Magic Supplies
"Simply Everything"
Daily—Sundays 9 A.M.—9 P.M.

"COLONEL BOB'S"

3709 W. Pico at 4th Ave. L.A. 6

LOS ANGELES

HO & O scale model railroad equipment
Lionel and American Flyer

CARL'S MODEL SUPPLY HOUSE

8108 S. Vermont Ave. PL 8-7115

LOS ANGELES

Railroads (all gauges)
Machine Work Railroad Repair Service

TROXEL BROS. MODELS

202 S. Western Ave. Los Angeles 4

Montrose; Knapp's Hobbies, 2525 Honolulu Ave
Los Angeles; Janohn's, 11926 San Vincente
Los Angeles; Hobbystop, 3354 Glendale
Los Angeles; Al's Hobby, 3239 York Blvd.
Los Angeles; Michels, 2872 Rowena
Los Angeles; Natick Shop, 204 W. 4 St.
Los Angeles; Al's, 5239 York Blvd.

Los Angeles 43—Crescent Model and Camera Shop, 5348 Crenshaw Blvd.

Los Angeles; Harry's, 7204 S. Western Ave.
Los Angeles; Hobby Shop, 3354 Glendale Blvd
Los Angeles; Hyde Park Co., 3418 W. 74th
Los Angeles; Marty's, 4816 W. Adams Blvd
Los Angeles; Modelcraft, 8945 S. Western
Los Angeles; Robert's, 8306 Lincoln Blvd.
Los Angeles; Jay Simmons, 4702 Whittier
Los Angeles; Viking Hobby, 9409 S. Hoover
Los Angeles; Fazio Hobby Shop, 827 S. La Brea
Los Angeles; Mains, 2714 N. Eastern, El Sereno
Los Angeles; Venice Hobby, 12906 Venice
Los Gatos; Wildcat Sport Shop, 27 E. Main
Los Palos; Motor Co., Calif. & Blossom
Mar Vista; Cinema Hobby Workshop, P.O. Box 520
Mill Valley; Herb's, 7 Throckmorton

Modesto—Hay's Hobby House
908 J. St. Phone 6365-J

Modesto; Hobbycraft, 310 H St.

Monrovia—The Model Mart
112 E. Lemon Ave. Elliott 8-7279

Montebello; Victory Shop, 1411 Whittier
Napa; Carl's Hobby Shop, 2532 Jefferson
Napa; Ray's Shop, 712 First St.
N. Sacramento; Hobby Hangar, 2307 Rio Linda
N. Hollywood; Accu-Rite Co., 7528 Lankershim
North Hollywood; Gen. Hobby Mart, 5238 Laurel
Norwalk; U-Make-It, 11048 Rosecrans
Norwalk; Speeds, 11469 E. Cresson
Oakland; Dake's Model Shop, 1420 46th Ave.
Oakland; Jerry's Hobby Shop, 1650 MacArthur
Oakland; Jack Collier's, 3669 Grand Ave.
Oakland; Lee's Train Serv., 3980 Piedmont
Oakland; Model Craft Shop, 4336 Broadway

Oakland—Root's Hobby Hub
6036 Telegraph Ave. HU 3-4543

Oakland; Russcraft Hobbies, 6015 Foothill
Ontario; W. Woodward, 331 E. H St.
Oroville; Hickman's, 1870 Bridge St.
Pacific Palisades; Hobby Shop, 874 Via de la Paz

Palo Alto—Miniature Travels
3345 El Camino Real DAvenport 3-1514

Pasadena—Ace Model Shop
1655 E. Colorado St. Sy 3-6061

Palo Alto; Engine House, 3777 El Camino
Palo Alto; Hobby House, 228 Forest Ave.
Pasadena; Ace Model Shop, 1655 E. Colorado
Pasadena; Garstang's, 87 E Colorado
Pasadena; Hobby World, 200 E. Colorado
Pasadena; Spare-time Hobs, 3740 E. Colo.
Pasadena; Whistle Stop Shop, 3745 E. Colorado
Pasadena; Your Model Shop, 12 N. Santa Anita
Pomona; Norton's Hobby Shop, 1016 E. 5th
Redondo Beach; Handicrafters, 4405 Redondo
Reseda; Reseda Hobby, 7035½ Reseda Blvd.
Redwood City; Superior Mods., 820 Sweeney
Richmond; Claey's, 1418 MacDonald Ave.
Riverside; Markley's Hobby, 3516 9th St.
Riverside; Model & Supply, 3777 9th St.
Sacramento; Hank's, 4125 Franklin Blvd
Sacramento; Hobby House, 2610 Marconi Ave.
Sacramento; Hobbycrafts, 1616 Jay St.

SACRAMENTO

Model Race Cars, Trains, Boats, Airplanes, Tools, Supplies

"HOBBYCRAFTS"

1616 Jay Street Sacramento

Samoa; Redwood Hobby Shop, 16 Murphy Ave.

San Carlos—J & J Hobby House
1480 Laurel St. LYtell 3-5278

San Anselmo; Marin Crafts, 800 San Ans.
San Bernardino; Heywood's, 472 Highland
San Bernardino; Joy Hobby Shop, 1663 E St.
San Bernardino; Quality Tested, 1065 3rd
San Carlos; J & J, 1480 Laurel St.

SAN DIEGO

Marklin Headquarters—Official Service Depot
American Flyer Authorized Service Station
Lionel Trains Repaired
Planes—Boats—Cars

GLENN'S TRAIN HOBBY

1125 G St. BE 3-5395

San Diego; Atlas Hobby Prod. 2323 Madison
San Diego; Frank—The Trainman, 4310 Park Bv.
San Diego; W. A. Kingston, 3819 6th Ave.
San Diego; Hillcrest, 3921 Fifth Ave.
San Diego; N. Park Hobby Shop, 3944 30th
San Diego; Railway Hobby, 4226 University
San Diego; Whistle Stop, 3819 6th Ave.
San Dimas; G. F. Harbin, 209 W. Bonita Ave.

SAN FRANCISCO—OAKLAND

Lionel Electric Trains, Accessories, Race Cars, Motors and Repairs

JACK COLLIER'S "Toys for Men"

3669 Grand Ave. Oakland 12
693 14th St. San Francisco

San Fernando; Win's, 142 Hubbard Ave.
San Francisco; Cal. Modl., 525 Irving St.
San Francisco; Emp. Hobby Shop, 835 Market
San Francisco; Franciscan Hob. 1803 Olean
San Francisco; Hobby Center, 5748 Geary
San Francisco; Hobby & Craft, Box 475
San Francisco; Jim's Hobby Shop, 4141 18th
San Francisco; Noriega, 3917 Noriega St.
San Francisco; W. Webster, 245 Clement St.
San Jose; Ange's, 1371 Lincoln Ave.
San Jose; Boys Store, 321 S. First
San Jose; Glenn's, 1362 Lincoln Ave.
San Jose; Tomasello's, 1198 Vine St.

San Leandro—Steve's Hobby Corner
596 E. 14th At Dutton LO 8-1891

San Lorenzo; Model Rail Shop, 15874 Hesperian Blvd.

San Pedro—Bradford's Hobby & Paint Hdqts.
408 W. 6th St. TE 2-2804

Santa Ana—Santa Ana Hobby Shop
1111 S. Main St. Kimberly 2-6106

Santa Ana; Champion Model Co., 1442 S. Olive
Santa Ana; Frank's Hobbies, 204 N. Main
Santa Barbara; Atkins, 16 W. Anapamu
Santa Barbara; Baumgarten's, 423 Chapala St.
Santa Catalina Is; Fun Shop, Catalina Ave.
Santa Clara; The Sportster, 1165 Franklin
Santa Cruz; The Hobby Center, 110 Soquel
Santa Monica; Aero Hobbies, 1324 Montana
Santa Monica; All American, Box 885
Santa Monica; Evett's, 2024 Pico Blvd
San Pedro; Rays Hobby Model, 408 W. 6th St.
Santa Rosa; Toy & Model, 636 Fourth St.
Sherman Oaks; Capt. Eddie's, 15010 Ventura
South Gate; W. C. Model Shop, 9920 Calif. St.
Stockton; Hobby-Craft Sop, 637 E. Main
Stockton; Toy Box, 3220 Pacific Ave.
Studio City; Valley Model, 12041 Ventura Blvd.
Tarzana; Valley Hobby, 18629 Ventura Bld.
Torrance; Dory's, 1307 Post Ave.
Torrance; Hobby Shop, 129 El Prado
Vallejo; Hobby Shop, 334 Louisiana
Van Nuys; Flying Tiger, 14526 Van Owen St.
Van Nuys; Templen's Hobby, 14552 Friar St.
Van Nuys; Caboose Hobby, 8316 Woodman Ave.
Venice; D&A Hobbi-Center, 101 Dudley
Ventura; Jones' Hob-Bee Hive, 2090 E. Main
Visalia; Toy Shop, 115 N. Encina
Walnut Creek; Tots 'n Teens, 1414 Main St.
W. Los Angeles, Janohn's, 11640½ San Vicente
Whittier; Radio Den, 223 W. Philadelphia St.
Yuba City; Al's Bike & Hobby, 648 Plumas St.

COLORADO

Alamosa; Stillman-Ready Hobby Shop, 712 Main
Arvada; Hobby Shop, 5777 Wadsworth Ave.
Aurora; Your Hobby, 1455 Florence St.
Colorado Springs; Earludick Serv., 115 N. Nev.
Colorado Spgs; Lemle's Roundhouse, 15 S. Webe

Denver—Denver Hobby Shop
1524 Colorado Blvd. EA 2009

Denver—The Hobby Dep't. Store
1721 Stout CH 1059

Denver—The Hobby House
610 15th St. TAbor 1742

Denver—Model Hobby Shop
3018 W. 38th Ave. GRand 8121

Denver; Downtown Hobbies, 1511 Charupa
Denver; Dave Bonino, 24 E. 1st
Denver; Dire's, 1104-18th
Denver; Model Hobby, 3018 W. 38th Ave.
Denver; Fisher-Denver Co., Colfax at York
Denver; Hobby Hub, 48 S. Broadway
Denver; Jerry's, 1657 Welton St.
Denver; C. E. Smith, 438 Osceola St.
Denver; Tom Thumb Hobby Cen., 1453 Pontiac
Denver; Calvin C. Wood, 818 15th St.
Fort Collins; Linder's, 114 Trimble Court
Grand Junction, Peyton's, 512 Main
Greeley; Don's Hobby Haven, 723 A 7th St.
Julesburg; Hobby Mart, Box 345
Pueblo; Junior Aircraft, 605 N. Main
Yuma; Home & Auto Appl.

CONNECTICUT

Ansonia; Mack's. 482 Main St.
Branford; Firestone Shop, 258 Main St.

BRISTOL

We specialize in Train Repairs, Complete line Lionel-A.F. Scale Trains, Planes—boats—race cars—access. Hobby supplies

HOBBY CENTER

N. Main St. Phone: 7273

Bridgeport—Train Exchange Center, Inc.
631 Fairfield Ave. Phone 68-2364

CONNECTICUT

Bridgeport; Blaner's Serv., 1224 Pembroke St
Bridgeport; Train & Hobby, 313 Fairfield
Danbury; Hobby House, 262 Main St.
Devon; R & D Bike Shop, 128 Bridgeport Ave.
Essex; Lords, 31 Main St.
Fairfield; The Carousel, 1435 Post Rd.
Fairfield; Gamble's, 1496 Post Rd.
Gaylordsville; D. C. Whitney

Hartford 12—Herb's Hobbies
637 Albany Ave. CH 7-2284

Hartford—Hobby Center
218 Pearl St. Phone 6-1482

Hartford; Model Bldrs. 81 Lawrence St.
Hartford; T. R. Parker, 1800 Park Street
Hartford; Sterling Model Co., 210 Euclid St.
Hartford; M. F. Wells, 1263 Main
Manchester; Hobby Shoppe, 6 Griswold
Milford; Michaels, 4 Factory Lane

MIDDLETOWN

HO-O-S Gauge Railroads Lionel & Gilbert Tinplate kits and parts. Factory authorized repair station.
Open until 9 P.M. Fridays

AMATO'S HOBBY CENTER

600 Main Street Phone

Milford; Michaels, 4 Factory Lane
New Britain; The Beacon, 220 Main
New Britain; Tamguay's, 11 Franklin Sq.
New Canaan; Handicraft's, 59 Elm St.

NEW HAVEN

All Reliable Lines
Open 8 to 6—Fridays 'till 9

PARMELE & STURGES

51 Crown St. New Haven

New Haven; Hulls Hobbies, 1203 Chapel

NORWALK

Authorized Lionel & American Flyer Service — Model Railroad Supplies — Complete Shop for Trains, Planes, Boats, etc.

HOBBYLAND

57 N. Main St., So. Norwalk, Conn.
Phone 8-6833

SOUTH NORWALK

Authorized Lionel & AF Service — Model Railroad Supplies — Complete Shop for Trains, Planes, Boats, etc.

"HOBBYLAND"

57 N. Main St. Tel.: 8-6833

New London; Jos. L. Raub, 26 Bank St.
Norwalk; Broad River Shop, 111 New Canaan
Portland; Twin Train Hobby, 216 Main
South Norwalk; Hobbyland, 57 N. Main St.
Putnam; Ken's, 7 Canal St.
S. Norwalk; Gorham Co., 126 Washington
Stamford; Hobbycrafts, 157 Main St.
Stamford; Hobby Center, 497 Main St.

Torrington—The Model Railroad Shop
35 Water St. Phone 7001

Wallingford—Colony Hobby Shop
846 S. Colony Rd. Rt. 5 Tel. 9-2433

Wallingford; York Hdwe Co., 32 Center St.
West Hartford; Harry's, 15 S. Main St.
West Haven; George's, 625 Campbell Ave.
Willimantic; Joe's Key Way, 21 Temple St.

DELAWARE

Clayton; C & S Model Shop, Box 101
Milford; The Pierce Hdwe Co.
Newark; Hobby Shop, 40 E. Main
Seaford; Sussex Hdwe, PO 218 High & Pearls
Wilmington; Charlie's Shop, 812 W. 6th St.
Wilmington; Hobby Center, 945 Tatnall St.

DISTRICT OF COLUMBIA

Corrs, 812 9th N. W.
Gilbert, 1610 K St. N. W.
The Handicraft Shop, 1401 25th St. S. E.
Hobby Headquarters, 2344 Iverson St.
Hobby Shop, 3109 Nichols Ave., S. E.
Jay Dee Model Supplies, 4805 Georgia Ave.,
Mt. Vernon Cycle & Sport, 421 9th St. N. W.
Hobby, 3109 A Nichols S. E.
Hobbies, 2240 Penna S. E.
Keenes, 907 G Pl. N. W.

WASHINGTON

Railroaders' hdqts. Complete stock HO, OO, O supplies. 32 years of railroading. 8:30 A.M. to 6:00 P.M.

SUPERIOR LOCK & ELECTRIC CO.

1410 L Street, N.W. Republic 1027

FLORIDA

Clearwater; Hobby, 425 Laura
Clearwater; Hobby House, 23 N. Ft. Harr.
Coral Gables; Model, 219 Aragon
Daytona B.; Toyland, 113 Orange
Fort George; Camp Overall
Ft. Lauderdale; Model, 143 E. Las Olas
Fort Pierce; Frink Co., 413 Avenue A
Gainesville; Brannans Model,
Jacksonville; Hobby, 25 Duval
Jacksonville; Whipple, 2817 Main

Jacksonville—King St. Bicycle and Hobby Store
1249 King St. Phone 7-5855 or 8-4912

Lakeland; Sport Store, 106 E. Main
Lake Worth; F. Kerr, 609 Lake
Miami; Orange Blossom, 1896 N. W. 36th
Miami; Jahn, 300 E. Flagler St.
Miami; Hobby, 1520 S. W. 8th St.

Localized Dealer Service

TO SUPPLY YOU WITH THE LATEST AND BEST IN MODEL SUPPLIES

Miami—Bill's Hobby Shop
9028 N.W. 22nd Ave.
Miami—The Hobby Center, Inc.
3621 S.W. 8th St. Phone 4-9819
Ojus; Roonoe Studio
Orlando; Southland Hobby, 217 N. Main St.
Orlando; Haley's, 214 N. Orange
Pensacola; Hobby Shop, E. Wright St.
Sarasota; Model Hobby, 1614 Main St.
St. Petersburg; Sunshine Hobby, 208 Central
Tampa; Edwards', 102 E. Cass St.
Tampa; Jimmy's, 3106 E. Osborne
Tampa; Chan's Hobby, 4107 Henderson Blvd.

TAMPA
EXCLUSIVELY RAILROADS
Largest Selection in the South
Open till 5:00 P.M.
CHESTER HOLLEY
3641 S. Dale Mabry Phone: 617202

Warrington; Barracas, 1620 Barracas Ave.
West Palm Beach—Southland Cycle & Hobby Center
3628-30 S. Dixie Hwy. Phone 5208
Winter Pk.; McCord's, 776 So. Penn

GEORGIA
Albany; S. E. Hobby, 221 N. Jackson
Albany; R. Gunnels, 122 Court Ave.
Atlanta; Bucknead, 3141 Roswell Rd.
Atlanta; Hobby, 604 Peachtree
Atlanta; Isengor Camera Exchange
Augusta; Bowen, 905 Broad St.
Augusta; Hardware, 1128 Broad
Augusta; Home Folk's, 754 Broad
Columbus; Bentley's, 1305 Broadway
Decatur; Hobby, 315 Church St.
Savannah; Hobby, 254 Bull St.
Savannah; Van's of Savannah, Bx. 334
Valdosta; D. Dennis, 534 S. Patterson

IDAHO
Boixe; Ralph's Train Shop, 612 Stanley St.
Boise; Model RR, 612 Stanley
Coeur D' Alene; Hobby, 420 Sherman
Idaho Falls; Lofgren's, 840 Pk. Ave.
Kellogg; Owen's, 4 So. Division
Moscow; Cycle, 318 W. Third
Nampa; Miniature, 615 8th Ave. So.
Salmon; Moser's Inc., Box 87

ILLINOIS
Alodo; Stuts Drug Store
Alton; Bills Hobby, 1636 Washington Ave.
Alton; Hobby, 3702 Western Ave.
Aurora; Galloway-Betts, 7 Fox Prom
Aurora; Tom's, 47 S. La Salle St.
Barrington; Daikens, Hough St.
Beardstown; Campus, 15th & State Sts.
Belleville; Harter's, 1011 W. Main
Berwyn; Goldeck's, 2615 So. Ridgeland
Berwyn; Windsor, 6900 Windsor
Bloomington; Harry's, 102 E. Market
Bloomington; W. B. Read, 210 N. Center
Blue Island; Scotty's, 12661 Western
Chicago; A & A Hobby, 6944 Higgins Ave.
Chicago; A B C, 3359 No. Southport
Chicago; Acme, 7626 So. Cottage Grove
Chicago; Acme, 2431 E. 79th
Chicago; A Hobby, 5545 No. Lincoln
Chicago; Aerocrafters, 2905 W. Cermak Rd.
Chicago; Airplane, 318 W.29 St.
Chicago; Airport, 6342 So. Central
Chicago; Allen's, 1858 E. 75th
Chicago; Arcy, 1503 W. Morse
Chicago; Art's, 83 N. Clark
Chicago; B & B Rail, 931 W. Leland
Chicago; B & E, 3531-33 N. Western
Chicago; B & K Radio, 1335 No. Ashland
Chicago; Ben's Hobby, 134 N. Dearborn
Chicago; Bentz Hobby, 1834 Belmont Ave.
Chicago; Ben's Midget, 3818 No. Ashland
Chicago; Brewer's, 7650 Irving Pk.
Chicago; Bridgeport, 937 W. 31st
Chicago; Burgess, 182 No. Wabash
Chicago; Bill's, 3817 W. Fullerton
Chicago; Brewers, 7650 Irving Pk.
Chicago; Brittaim, 942 W. 63rd St.
Chicago; Creative Toys, 3632 Fullerton
Chicago; Carl-Sons, 1627 Damen
Chicago; Chicago Hobb., 611 N. Western
Chicago; Curts, 2956 N. Clark
Chicago; Daley's, 11121 So. Kedzie
Chicago; David Cycle, 3235 W. 63rd
Chicago; David Locksmith, 3235 W. 63rd
Chicago; Doc's Hobby, 1905 W. Monterey
Chicago; Ed's Hobby, 404 E. 79th
Chicago; Edgar, 1517 W. Foster
Chicago; Edison Pk., 6678 Northwest
Chicago; E & G Model, 4121 W. 26th
Chicago; Flesher's, 1445 W. 103rd St.
Chicago; Galen, 3234 Elston Avenue
Chicago; George's, 1232 W. Grace St.
Chicago; G & H Hobby, 5823 Irving Pk.
Chicago; Glenn's, 510 E. 79th St.
Chicago; Gliders, 1037 W. 79th St.
Chicago; Goren, 8850 So. Commi
Chicago; Gross, 6767 Stony Island
Chicago; Hal's Hobbycraft, 5941 North Ave.
Chicago; Hobby Haven, 4252 N. Central Ave.
Chicago; Hobbies, 1755 W. 95th
Chicago; Hobby, 5252 No. Clark
Chicago; Hobby, 2134 S. Pulaski
Chicago; Hobbycraft, 1303 W. 79th
Chicago; Hobby Models, 6411 N. Western
Chicago; Hobby, 3949 No. Sheridan
Chicago; Hobby, 3300 W. North Ave.
Chicago; Hob-Craft, 7951 Niles Ave.
Chicago; House of Trains, 3850 So. Cottage
Chicago; Imberger, 5545 N. Lincoln
Chicago; Jay Gee, 5403 So. Winchester
Chicago; Jerry's, 4322 S. Richmond St.
Chicago; Joe's, 3551 W. Armitage
Chicago; Kale, 2250 No. Milwaukee
Chicago; Karl's, 2049 No. Milwaukee
Chicago; Larrys, 909 School St.
Chicago; Larson, 820 So. Tripp
Chicago; Leader, 6615 S. S. Ashland Ave.
Chicago; Leonard, 4736 Milwaukee
Chicago; Lewis, 6713 N. Clark
Chicago; Lincoln, 3328 No. Clark
Chicago; Linka, 3918 W. 26 St.
Chicago; Lumber, 3917 W. North
Chicago; M & G, 3445 N. Pulaski Rd.
Chicago; Mains, 6401 No. Caldwell
Chicago; Malmer, 5615 N. Glenwood
Chicago; Manor Hobby, 5619 W. North
Chicago; Marshall, 111 No. State
Chicago; Mid-States, 1905 So. Mich.
Chicago; Midway, 4217 W. 29th
Chicago; Midwest, 6747½ So. Halstead
Chicago; Milford, 3335 No. Pulaski
Chicago; Miller's, 5916½ W. Lawrence
Chicago; Minky's, 3332 W. Roosevelt
Chicago; Model, 1329 E. 55th St.
Chicago; Model, 1331 E. 55th St
Chicago; Museum, 57th Lake Michigan
Chicago; National, 2615 N. Greenview
Chicago; Northwest, 5037 Irving Pk.
Chicago; Oh-Gee, 8107 S. Halsted
Chicago; Pilot, 5450 W. Belmont
Chicago; Purdy, 2008 No. Western
Chicago; Ray's, 1042 W. 103rd
Chicago; Serv-u-rite, 3945 W. Irving Pk.
Chicago; Trost, 3111 W. 63rd St.
Chicago; Shramm's, 2601 No. Milwaukee
Chicago; The Hobby, 4010 No. Kimble
Chicago; Three Bros., 5723 N. W. Hwy
Chicago; Towne, 3249 W. 63rd
Chicago; Toy, 5403 Irving Pk.
Chicago; Uptown, 4508 Broadway
Chicago; Van's Cycle, 6334 So. Stony
Chicago; Van's Repair, 1754 W. 79th
Chicago; Victory, 1548 E. 53rd
Chicago; Village, 3044 W. 111th St.
Chicago; Wakeford, 7419 So. Cottage Gr.
Chicago; Warner Elec., 1412 W. Jarvis
Chicago; Webers, 4128 N. Lincoln
Chicago; Wee Folks, 1832 E 79th St.
Chicago; West, 5808 W. Chicago Ave.
Chicago; Zenith Hobby, 5155 W. Lake St.
Chicago Hts.; Town Stores, 52 E. 16th

CHICAGO
Ships—Planes—Crafts—Hobby Supplies
Model Trains—Specializing in HO Gauge
Repair Service—Sales Nationwide
GLENN'S MODEL SHOP
510 E. 79th St. STewart 3-4187

CHICAGO
Model train's Hobby Center for
Model trains—Ships—Planes—Supplies
Chicago's GREATEST Stock
ALL NATION HOBBY SHOP
182 N. LaSalle St. Chicago 1

CHICAGO
"Everything for the Hobbyist
and Sportsman"
Lionel and American Flyer
Repairing
BEND HOBBY & SPORTS SHOP
5519 N. Lincoln SUnnyside 4-9140

CHICAGO
In the HEART of the Loop
Railroads—Ships—Planes
BEN'S HOBBY SHOP
134 North Dearborn Chicago 2

CHICAGO
Available Items for ALL Modelers
Trains—Planes—Boats
SIMONSEN MODEL SUPPLIES
3054 N. Greenview Chicago 13

CHICAGO
Lionel train experts. Free catalog.
Free mailing on all purchases
A-ABART ELECTRIC CO.
1259 N. Ashland Ave.
Phone: ARmitage 6-6383

Chicago—Glenn's Model Shop
510 E. 79th St. STewart 3-4187
Chicago—Mandel Brothers
State St. STate 2-1500
Chicago—Zenith Hobby Shop
5155 W. Lake St. AUstin 7-0106

CHICAGO
Complete stock of kits and supplies for
TT, O, S, HO railroads, race cars,
boats, airplanes
TROST MODEL SHOP
3111 W. 63rd St. PRospect 6-1354

Cicero; Airplane & Hobby, 6129 W. Cermak Rd.
Cicero; Hobbytown, 5245 W. 25th
Cicero; Reliance, 5813 Cermak Rd.
Danville; Hobby, 904 N. Vermilion
Danville; Grack's, 17 West Main St.
Decatur; Hobby House, 124 E. Prairie
Decatur; Hobby, 123 E. William
Des Plaines; Dick's, 1604 Oakton St.
Des Plaines; Weber's, 1410 Prairie
Dixon; B & A, 114 E. First
Downers Grove; Appliance, 5222 Main
E. St. Louis; Hobbies, 2303 State
Elmhurst; Al's Hobby, 109 Addison Ave.
Elmurst; Du Page, 109 W. 1st St.
Elmwood Pk.; Toy & Hobby, 244 Harlem
Evanston; Hobby, 601 Davis St.
Evanston; Hobby, 713 Howard
Forest Pk.; Arnold's, 7405 Madison
Galesburg; Camera Shop
Galesburg; Ray's, 181 N. Cherry St.
Glen Ellyn; Glen Ellyn Hobby, 447 Main St.
Glenwood; School for boys, Lush
Glenwood; Specialties, Box 1
Godfrey; Joe's, Ramona Place
Grayslake; Bishop's, 510 Lake
Herrin; Bailie, Monroe At 14
Highland Pk.; Cycle, 486 Central

Joliet—Walt's Hobby and Model Shop
60 N. Joliet Phone 6-1632
Kankakee; Plambeck, 354 So. East
Kankakee; Wall's, 174 N. Schuler Ave.
La Grange; Gordon's, 605 W. Hillgrove
La Grange; Hobby, 124 Burlington

LA GRANGE
Model railroad, airplane boat kits, toys,
games, Lionel factory service station.
Open Monday, Thursday evenings.
LA GRANGE HOBBY CENTER
11 W. Calendar La Grange 8220

Libertyville; Taylo., 523 N. Milwaukee
Lombard; Wheeler, 104 W. St. Charles
Macomb; Dean's, 134 So. Randolph
Macomb; Hdwre, 126 S. Lafayette
Marion; Blankenship, 1020 N. Market
Mattoon; Oakley Hobby, 2117 Western Ave.
Maywood; Mac's, 5th & Madison Sts.
Moline; Hobby, 1511 6th Ave.
Morris; Hobby, 107 W. Washington
Oak Lawn; Hadleys, 3005 W. 95th St.
Oak Park; Mazada, 1135 Westgate
Oak Park; Realistic, 725 S. Blvd
Oak Park; Toy, 113 N. Oak Park

Oak Park—Reyff Toys & Hobbycraft
111 N. Oak Park Ave. VI 8-5770
Olney; Leo's, 1053 So. East

Park Ridge—Park Ridge Hobby Shop
30 Main St. TAlcott 3-4464
Palatine; Pioneer, 6 S. Blockway
Peoria; Hobby, 418 S. Adams St.
Quincy; Bean, 429 Hampshire
River Grove; Hobby, 8339 W. Grand
Riverside; Arcade, 6 E. Quincy
Rockford; Adolphson, 2213 E. State
Rockford; Coin, 209 S. Church
Rockford; Gross, 1926 Carney
Rockford; Triad, 1229 Broadway

Rockford—Harry's Hobbies & Toys
508 7th St. Phone 3-4707

Rockford—Carney's
2501 Auburn St. Phone 2-9652
Rock Island; Boot, 1733 Thirtieth
Rock Island; Boot, 3005 5th
Rock Island; Boot, 1733 30th
Rock Island; Hilltop, 4105 Fourteenth
Roselle; Hobbyland, 131 Roselle
Roselle; Hobbyland, 105 E. Irving Pk.
Salem; Hobby Center, 306 W. Olive St.
Saybrook; Zachay, Att. Steben Zachay
Shelbyville; Herron Dept.
Skokie; Hobby, 8122 Lincoln
Springfield Booth, 216 S. 6th
Springfield; Hatfield, 412 Gross
Springfield; Hobby, 304 E. Washington
Taylorville; Mile's, 214 S. Rich
Urbana; Lorry's, 206 W. Main
Urbana; Soprt, 116 So. Race
Watseka; Radio, 109 So. 4th
Waukegan; Sporting, 105 So. Genesee
Wheaton; Du Page, 115 N. Hale St.
Wilmette; Keller, 1719 Walnut
Wilmette; Otis, 619 Greenbay
Winnetka; Fix-It, 732 Elm
Woodstock; Brownie's, 225 Benton
Woodstock; Toy & Hobby, 225 Benton

INDIANA
Anderson; Bickel's, 40 W. Ninth
Anderson; Model, 1503 Fletcher
Bedford; Martin Supply, 1020 15th St.
Brazil; Lytle, 202 E. National
Lafayette; The Cridercraft Shop, 201 E. State
Connersville; Mid-way, 217 W. 8th
Crown Point; Clarke's, 103 So. Court
Elkhart; Berman's, 123 S. Main St.
Elkhart; Long's, 1035 S. Main
Elkhart; Spig Koeas, 123 S. Main
Evansville; A B C, 125 N.W. Sixth St.
Evansville; Bentz, 600A SE 2nd St.
Evansville; Porter, 962 Washington

Evansville—The Toy Shop
1400 Oak Hill Rd. Phone 6-4859
Ft. Wayne; Schaefer, Mr. Kruse Rte S

Fort Wayne—Krull's Hobby Shop
414 E. Washington A-8421
Gary; Brams Toy, 4484 Broadway
Gary; Roberts, 110 N. 7th
Goshen; Kintigh's, 102 S. Main St.
Hammond; Hildine, 5711 Calumet
Hammond Maka's, 1128 Kenwood
Hartford City; Cronin, 111 N. High
Indianapolis; Broad, 929 E. Westfield
Indianapolis; Hobby, 37 E. 34th
Indianapolis; Hobby, Wm. H. Block
Indianapolis; Jolly, 1503 E. Michigan
Indianapolis; Steele, 1008 N. Emerson
Jeffersonville; Gutermuth, 226 Sunset
Jeffersonville; G. A. Schimpff, 347 Spring St.

Indianapolis 9—Wm. H. Block Co.
Capital 8511

INDIANAPOLIS
MODEL RAILROADING EXCLUSIVELY
Open Daily & Mon., Tues., Thurs. Eve.
LES' REPAIR SERVICE
1724 Central Ave. Indianapolis 2

Kokomo; Victory, 104 S. Union

KOKOMO
Lionel-American Flyer—HO-O Gauge
Planes — Race Cars — Boats. Repairing
Open 10 a.m. to 10 p.m. Sun. 1 to 5.
HOLLOWAY'S HOBBY HOUSE
825 S. Washington St. Phone: 2-5890

Lafayette; Model, 805 S. 25th
Lafayette; Hobby, 110 Main
Lebanon; Model, 115 E. Main
Marion; Libengood's, 320 S. Boots
Michigan City; Congdon's, 4th & Franklin Sts.
Michigan City; Community Craft, 429 Franklin
Community; Craft, 429 Franklin St.

Mishawaka—Bob's Hobby Shop
713 N. Main St. Phone 5-8111
Muncie; Kirk, 117 E. Main
Muncie; Ross, 12th & Hoyt
New Albany; Darnell's, 316 Vincennes St.
New Albany; Waters, 2309 Glenwood
Noblesville; Hobby, 1152 Evans
Perrysville; Allen & Crisp
Peru; Mack's, 15 S. Water
Plymouth; Hobby, 223 Angel
Portland; Art, 307 No. Meridian
Richmond; Mosey, 412 Main
Rushville Herb's, 1123 W. Market
Seymour; Hobby Center, 212 E. 2nd St.
Shelbyville; Siefert's, 37 E. Wash
Terre Haute; McMillan, 726 Wabash
Valparaiso; Johnstons, 59 Lincoln Way
Whiting; Neal Price's, 1309 119th St.

IOWA
Ackley; Gardner's, Att. L. F. Gardner
Ames; Hobby, 200 Main
Burlington; Carl's, 118 Ash
Cedar Rapids; Drew's, 214 First S.E.
Cedar Rapids; Hand's, 1297 30th N.E.
Clinton; Scribners, 108 S. 2nd St.
Davenport; Elliott Box, 418 Cram Field
Davenport; Hobby, 215 E. Third
Davenport; Tri Hobby, 307 Harrison
Des Moines; Capitol City Hobby, P.O. Box 901
Des Moines; Don Yates, 3015 Ingersoll
Des Moines; Highland, 1061 6th
Des Moines; Hyman's, 405 6th Ave.
Des Moines; Lally's, 1200 Mulberry
Des Moines; Rothfus, 6110 S.W. 9th
Decorah; Dewitt, 610 Winnebago
Dubuque; Olson's, 414 Main St.
Forest City; Sign & Hobby
Ft. Dodge; Hobby, 25 South 12th
Ft. Madison; Photo, Marjuette Bldg.
Green Mtn; Thomas Att. Thomas
Hawarden; Dowdey, 907 Central
Iowa City; Hobby, 210 N. Linn St.
Iowa Falls; Peterson Hdwe.
Le Mars; B & B Store
Mason City; Dagle's, 12 2nd N.W.
Mason City; Decker, 205 No. Federal

Mason City—Don's Train Service
609 Jefferson Phone 240
Muscatine; Massey's, 327 E. 2nd
Nevada; Repair Shop
Ottumwa; Model, 335 E. Main
Sioux City; Olson, 317 4th St.
Sioux City; Patch, 402 24
Waterloo; Boylan, 433 Center
Waterloo; Smiley's, 613 Water
Waterloo; Kemp's, 512 W. 4th
Waterloo; Wilcox Hobby, 416 W. Parker St

KANSAS
Almena; Sprague Radio Service
Coffeyville; Hall's, 121 W. 9th
Garden City; Champion, 210 6th
Hays; Schlegel's, 118 E. 11th
Herington; Model Supply, Bx. 96
Hutchinson; Reno, 409 N. Main
Kansas City; Jim's, 13 South 18th St.
Leavenworth; Ralph's, 308 So. S St.
Liberal; Hieland's, 708 No. Washington
Manhattan; Brown Music, 429 Poyntz
Pittsburgh; Lee, 313 N. Broadway
Salina; Jayhawk RR Supply, Box 552
Salina; St. Clair's, P.O. Box 778
Scott City; Van Antwerp, Bx. 427
South Haven; Lansco Model, Lantz
Spearville; Rath & McMillan
Topeka; Martin, 107 East 6th
Topeka; Searles, 420 Locust
Topeka; State, 1021 W. 6th
Wichita; Gwinn, 142 Market St.
Wichita; Hobby, 2122 S. Terrace
Wichita; Orr's Book, 118 N. Topeka
Wichita; Hobby Shop, 5421 E. Kellogg
Wichita; Model Hobby, 4712-b E. Central
Winfield; Enterprise, 812 Main

KENTUCKY
Covington; Camera, 531 Madison
Lexington; King, 367 E. Main St.
Louisville; Ellis, 641 Hawlings
Louisville; Fischer, 618 S. Fourth
Paducah; Sports, 215 Broadway
St. Mathews; Model, 3805 Wilmington

LOUISIANA
Alexandria; Beasons, 1606 Lee St.
Bastrop; Snyder, 109 So. Franklin
Baton Rouge; Kirby, 209 S. Ferdinand
Baton Rouge; Carr's, 141 Bedfords
Baton Rouge; Pelican, 2815 Main
Lake Charles; Zempter's, 909 Ryan
La Place; Drug Store
Monroe; Keller's, 407 De Siard
New Orleans; Cress, 1134 St. Charles
New Orleans; Hobby, 4507 Freret
New Orleans; Hubb, 2618 S. Broad
New Orleans; Maison, 901 Canal St.
New Orleans; Mark's, 1939 Jefferson
New Orleans; Zula Frick's 413 Royal St.
New Orleans; Hobby, 334 Baronne
Shreveport; Fitzgerald's, 2916 Gilbert
Shreveport; Kurtz, 7005 Line
Shreveport; Kraft, 305 E. 62nd
Shreveport; Weismans Toy, 717 Milan
Sulphur; Hobby, 234 E. Elizabeth

MAINE
Augusta; Mansurs, 257 Water St.
Bangor; Wight's, 54 State Street
Lewiston; Grain Shop, 8 Tampa St.
Mars Hill; Radio Service
Westbrook; Bob's Hobbies, 844 Main

MARYLAND
Annapolis; Hacks Hobby, 134 Main St.
Annapolis; Photo, 151 Main St.
Baltimore; Al's Train Repair, 8024 Eastern A
Baltimore; Bateman's, 1937 E. Monument St.
Baltimore; Brooklyn Hobby Center, 405 Patap
Baltimore; Doodler's, 5208 Belair Rd.
Baltimore; Edmondson, 4578 Edmondson
Baltimore; Engelman, 3316 Greenmount
Baltimore; French's, 304 W. Baltimore
Baltimore; Funk's, 701 So. Ann
Baltimore; Gay, 1610-1612 N. Gay
Baltimore; Goffman's, 330 Pk. Ave.
Baltimore; Gull, 10 E. Overlea Ave.
Baltimore; Hobby, 5611 York Rd.
Baltimore; Kahl's, 5208 Belair Rd.
Baltimore; Park Lane, 2714 W. Coldspring
Baltimore; LLoyds, 2111 N. Charles
Baltimore; Model, 321 N. Charles
Baltimore; G. A. Mannis, 23 Highland
Baltimore; N. Parkville Sporting, 8326 Hartfo
Baltimore; Uptown Hobby, 1700 Gorsuch Ave
Baltimore; Ziggy's Hobby, 305 W. Fayette
Baltimore; Spot Hobby, 304 Pk. Ave.
Baltimore; Winship, 79 Shipping Pl.
Bel-Air; Hobby Center, 17 Courtland St.
Berlin; Photo, 30 Jefferson St.
Bladensburg; Akman's, 5403 Annapolis Rd.
Brunswick; Weller's, 107 6th Ave.
Cambridge; Hobby Horse, 4 Race St.
Cumberland; Hobby, 55 North Centre
Cumberland; Lee's, 228 N. Centre
Dundalk; Merritt, 2109 Merritt Ave.
Dundalk; Winship, 79 Shipping Pl.
Frederick; Seeger, 45 S. Market
Glen Burnie; Freddes Hobby, 10 Drumpcont
Hagerstown; Caseys, 448 No. Mulberry St.
Hagerstown; Hobby, 147 No. Franklin St.
Hyattsville; Suburban Hobby, 4309 Hamilton
Riverdale; Suburban, 4505 Queensbury
Rockville; Gene's, 40 W. Montgomery
Salisbury; Howard's, 617 Truitt St.
Salisbury; Volpe's, 501 Salisbury Blvd.
Silver Springs; Gene's, 2537 Ennalls Ave.
Silver Springs; Haynes Camera, 8618 Georgia
Silver Springs; Art & Hobby, 11264 Georgia
Towson; F&L Suto, 406 York Rd.
Towson; Hollander, 1646 E. Joppa Rd.

MASSACHUSETTS
Amherst; Hastings, A. J.
Andover; North E. Scale, Box 32
Arlington; Banocroft, 1377 Mass. Ave.
Attleboro; Flynn, 13 Bank St.
Ayer; Sporting, 34 Main St.
Beverly; Community, 509 Rantoul St.
Boston; Hobbytown, 4 Park Sq.
Boston; Jordon Marsh, Wash. & Avon

BOSTON
Hobby Headquarters for Model
R.R.'s—Railroading a Specialty
BOSTON MODEL R.R. CO.
665 Atlantic Ave. Boston

BOSTON
MODEL RAILROADS EXCLUSIVELY
Tinplate—Scale
Lionel Approved Service Station
ERICH FUCHS
26 Tremont Street Boston

ast Braintree; Capeway, 17 Quincy Ave.
raintree; Cycle, 357 Washington
rockton; Hobby, 673 E. Elm St.
rookline; Beacon, 1378 Beacon St.
ambridge; Crosby's, 1704A Mass. St.
anton; Hobbyville, 634 Oakdale Ave.
linton; Zoll's, 107 High St.
ast Dedham; Scale's, 24 High St.
all River; Hobby & Craft, 422 S. Main
all River; McLane's 42 Purchase St.
itchburg; McManus Hobby, 754 Main St.
ardner; Sporting Goods Corp.
reenfield; Howard's, 424 Davis St.
averhill; Mitchell, 80 Merrimack
olyoke; Carlisle, 365 High St.
olyoke; Leonard, 418 High St.
yannis; Hobby, 538 Main St.
ndian Orchard; Tenerowicz, 12 Parker
awrence; Lumber, 318 Essex St.
awrence; Modelers, 288 Park St.
owell; Poirier, 636-646 Ferrimack
ynn; Sam's Cigar Store, 2 Andrew
alden; Hoffman's, 220 Pleasant St.
ilford; Nolan Bros., 159 Main St.
antucket Island; Bill's, 31 India St.
ew Bedford; Hobby Town, 1501 Acushnet Ave
ttsfield; Sporting, 33-37 Bradford
ymouth; M&M Sporting, 25 Main
ainey; Bills, 1135 Federal Ave.
ainey; Stanley Winthrop, 90 Wash.
outh Duxbury; Toabe's Duxbury Hdwe
pringfield; Carlisle, 1548 Main St.
pringfield; Hobby, 285 Mill St.
pringfield; Johnny's, 1579 Main
pringfield; Springer, 339 Bay St.
aunton; Earl's TV & Hobbies, 36 Weir St.
aunton; Engine Repair, 38 Purchase St.
akefield; Armstrong's, 99 Albion St.
altham; Coyes Hobby, 688 Main St.
est Roxbury; Stevens, 1832 Centre
est Somerville; Barbour's, 11 College
ilmington; Avery's, 446 Main St.
orchester; Henry's, 54 Trumbull St.
orchester; Johnson Sptg, 304 Main

WORCESTER

O. S. gauge scale A.F. HO & TT. Large operating layouts in HO & TT. Wire, Tools. Next to Post Office
Open Wed., Thurs., Fri., till 9:00 p.m.

HOCK & HOBBY

601 Main St. Tel 4-7047

MICHIGAN

drian; Phil's, 115 Toledo St.
penа; Toy Shop, 116 S. 2nd St.
nn Arbor; Rider's, 115 W. Liberty

Battle Creek—Barker Hobby Shop

3 Capital Ave., N.E. Phone 8-8211

attle Creek; Prep Shop, 243 W. Mich.
attle Creek; Wheelock, 30-32 N. McCamly
ay City; Hobby, 1107 Washington St.
enton Harbor; Cut City, 585 W. Main
adillac; Father & Son, 216 N. Mitchell
harlotte; Hobby Shop, 207 S. Main St.
linton; Texas Shop, 308 W. Michigan
earborn; Joe's, 24726 Ford Rd.
earborn; Temple's, 23471 Michigan

DETROIT

HO—O—S—TT. Large Operating Layout Model Railroad Kits and Supplies. Open evenings till 8 except Tues. & Thurs.

THE HOBBY EXCHANGE

3248 Fenwell Ave. UN. 3-9172

DETROIT

Complete line HO Scale Model, Lionel & AF-approved Service Station. Block north of Tuller Hotel. 9 to 5:30. Monday to 9.

DOWNTOWN TRAIN & CAMERA SHOP

122 W. Elizabeth St. WO. 1-6932

MICHIGAN

Detroit—Tom's Model Hobby Shop

8 Duffield at Woodward WO 3-3273

etroit; Bills, 7139 Harper Ave.
etroit; Bob's Bicycles, 11739-41 Linwood
etroit; Boulard Hobbies, 13936 E. Warren
etroit; Boulard, 9331 Mack
etroit; Columbia Radio, 8710 Van Dyke
etroit; Dallaire, 9830 Wyoming
etroit; Jack Davis, 15120 Grand River
etroit; De Luxe Elec., 9947 E. Jefferson
etroit; Downtown Repair, 24 Duffield
etroit; Downtown Train, 122 W. Elizabeth
etroit; N W Detroit Hobbies, 19446 Sunderland
etroit; Kart's, 16392 Harper
etroit; Eric Fromm, 13975 Woodward
etroit; Frank's Hobbies, 14367 Lappain
etroit; Fromms Hdwe, 8696 Grand River
etroit; Harry's Hobbies, 12838 E. Jefferson
etroit; Held Model, 14466 Eastburn
etroit; Joe's Hobby, 9830 Wyoming
etroit; Lopo's Camera, 11708 Chalmers
etroit; Maxwells, 15215 W. 7 Mile
etroit; Millers Feed, 21667 Grand River
etroit; Motor City, 14114 Gratiot
etroit; Train Clinic, 13950 Hubbell Ave.
etroit; Nottingham, 6027 Nottingham
etroit; Pal Bile, 11921 Grand River
etroit; Rosedale, 19526 Grand River
etroit; Point Bike, 16349 E. Warren
etroit; Royal, 12721 W. 7 Mile Rd.
etroit; Sky's Repair, 11805 Harper
etroit; Tom's 28 Duffield Att. Woodward
etroit; Vaughan Radio & Train, 15434 Harper
Garden City; Lou's Hobby, 30944 Ford Rd.
etroit; West Side, 4839 W. Vernor
erndale; Models, 22441 Woodward Ave.
lint; Loomis Trains, 1508 So. Saginaw
lint; Kearsley, 209 E. Kearsley
reeland; Hobby Shop, R. No. 3, Box 74A
rand Haven; Carpenter, 116 Washington
rand Rapids; Merrill's, 1420 Wealthy
rand Rapids; Myers, 16 W. Fulton St.
rand Rapids; Hobby, 239 Monroe N.W.
ighland Park; Messner's, 16424 Hamilton
olland; Central Hwre, 29 W. 16th St.
olland; Bicycle, 254 River Ave.

Jackson—Model Railroad Specialty Co.

915 E. Michigan Ave. Phone 4-2752

201 E. State St., W.

ackson; Hobby, 627 Monroe St.
ackson; Hobby Hub, 206 Francis St.
ackson; Model RR Hobby, 1915 E. Michigan
ackson; Vern's, 602 W. Biddle St.

Kalamazoo—Dick's Model Railroad Serv.

3307 Dearborn Ave. Ph. 2-6268

Kalamazoo—Hiler's Model Railroad Shop

712 Southworth Phone 2-8248

Kalamazoo; Hobby, 1728 S. Westnedge
Kalamazoo; Miller, 330 W. Michigan
Lansing; Gene's Cycle, 702 W. Barnes
Lansing; Hobby, 311 So. Washington
Lansing; Hobby's, Michigan Theatre
Lansing; N W Model Sup, 1310 Knollwood
Lincoln Park; Busy B, 3410 Fort St.
Livonia; Rosedale Shop, 31635 Plymouth Rd.
Manistique; D M C, 5 & 10c, Box 149

Mankato—Jos. Manderfeld Co.

509 S. Front St. Phone 4135

Marquette; Krieg's, Fourth & Wash Sts.
Menominee; Zaellner, 2313 Broadway
Midland; Samsel, 302 No. Saginaw Rd.
Monroe; Ace, 701 E. 3rd St.
Monroe; Ace, 27 W. Front St.
Monroe; Dunbar Model, 107 Front St.
Mt. Clemens; City Sport, 16 Macomb St.
Mt. Pleasant; Hobby Shop, 801 W. Broadway
Mt. Pleasant; Central Hobby, 428 Oak St.
Mt. Pleasant; Cotton, 117 N. Main St.

Muskegon—C. Karel and Sons

936-40 Pine St. Phone 2-3304

Muskegon; Ferrell's, 241 Irwin Ave.
Niles; Office Sup., 11 East Main
Plymouth; Rosedale, 31635 Plymouth Rd.
Pontiac; Scarlett, 20 E. Lawrence
Pontiac; Tasker's, 63 W. Huron St.
Port Huron; Bell's, 518 Grand River
Port Huron; Hank, 708 Huron Ave.
River Rouge; Hobby, 81 Le Roy St.

Royal Oak—Dunn's Camera & Hobby Supply

610 S. Washington Lincoln 2-7366

Saginaw; Melcraft, 809 E. Genasce
Saginaw; Norm's, 345 So. 25 St.
Saginaw; Skycraft, 225 No. Hamilton
Sault Ste Marie; Pinnacle, 104 E. Spruce
Scottville; Bill's, 5c—1 Store Ashley
So. Haven; Johnson's, 255 Center St.
Three Rivers; Nichols, 41 N. Main St.
Traverse City; Bilmar Sport Shop
Traverse City; Ray's Hobby, 1030 Peninsula Dr.
Warren; Hobby Shop, Box 138
Wyandotte; Lyle's Model, 13117 Eureka

MINNESOTA

Albert Lea; Joe's Hobby, 220 E. Clark
Bemidji; Parkway Store, Bemidji & 15th St.
Duluth; Hobby Shop, 124 West 1st St.
Duluth; Martin Carr, 1911 W. Superior
Excelsior; Glo-Craft, 272 Water St.
Fergus Falls; Hiawatha Lane, Box 473
Hibbing; Hobbies, 606 E. Howard
Hibbing; Scoop, 2115 First Ave.
Hopkins; Hobby King, 1719 Excelsior
Litchfield; Rogers, 29 E. 2nd St.
Mankato; Jos. Manderfeld, 509 S. Front
Minneapolis; Airport Hdwe, 5408 34th Ave.
Minneapolis; Alexander News, 401 E. Henn Ave.
Minneapolis; Billett's, 2548 Nicollet Ave.
Minneapolis; Childrens, 1013 44th Ave.
Minneapolis; Cordes, 3226 Fremont Ave.
Minneapolis; Donaldson's, Dept. 4th Floor
Minneapolis; Drillings, 4302 Uptown Ave.
Minneapolis; Drillings, 2805 W. 43rd St.
Minneapolis; Dayton Co., Hobby Dept.
Minneapolis; Gager's, 1024 Nicollet Ave.
Minneapolis; Highway, 5300 Excelsior Blvd
Minneapolis; Hobbycraft, 6238 Lyndale
Minneapolis; House of Hobbies, 8036 Minnetonka
Minneapolis; Larry, 2207 Riverside
Minneapolis; North Side, 3515 Oliver North
Minneapolis; Reit Hobby, 703 E. Lake St.
Minneapolis; Ring's, 2816 E. 42nd St.
Minneapolis; Scottys, 2424 Central Ave.
Minneapolis; Thayer, 3909 W. 50th St.
Minneapolis; Woodcraft, Lake St. at Bryant Av.
Rochester; Ebb's, 7 E. Center St.
Rochester; Westphal's, 1115 Second St.
St. Cloud; Hobby, 24 6th Ave. So.
St. Paul; Cal's Hobby, 593 N. Snelling
St. Paul; Courtesy, 377 Wabasha St.
St. Paul; Ken's, 1227 Highland Pky.
St. Paul; Lightfoot, 2028 St. Clair Ave.
St. Paul; Parker's, 1652 Grand Ave.
St. Paul; Woodcraft, 374 Robert St.
St. Paul; Uptown, 357 Robert St.

MINNESOTA

Minneapolis Handicraft Center
Specializing in HO trains
Mantua Service Station

GAGER'S HANDICRAFT

1024 Nicollet Ave. BR 6757

MISSISSIPPI

Biloxi; Art's, 411 W. Howard
Columbus; Banks Hdwe, Banks JC
Greenville; Foresman's Model, Bx. 388
Jackson; Office Sup., 517 E. Capitol

MISSOURI

Bonne Terre; Hobby Shop, 8 W. School St.
Cape Girardeau; Ferguson, 210 Independence
Carthage; Sign, Grand Ave. Rd.
Chillicotha; Jack's Model, 601 Webster
Columbia; Atkinson, 206 N. 8th
Grandview; Hobby, Box 292
Independence; Cooper's, 1312 W. Lexington
Joplin; Ken's, 3122 Pearl
Kansas City; Ace Model, 20 E. 39th St.
Kansas City; Antioch Hdwe., 5128 Antioch Rd.
Kansas City; Barrs Hobby, 4611 Paseo
Kansas City; Joe Falk, 1007-A Grand
Kansas City; Martin's, 108 E. 135th St.
Kansas City; Model, 3507 Prospect Ave.
Kansas City; Model Sup, 431 Nichols Rd.
Kansas City; Northeast, 4825 Independence
Kansas City; Pete's, 5725 Prospect
Kansas City; Spotlight RR, 7427 Troost

KANSAS CITY

Complete Sales & Authorized Service. Lionel-American Flyer-Marx Scale Equip.

SIEBER BROS.

404 Westport Rd. Kansas City

KANSAS CITY

HO-S and Lionel Trains
Planes — Toys — Crafts
Formerly Mission Scale Model Shop

BARR'S HOBBY SHOP

4611 Paseo LI. 9455

MISSOURI

Kirkwood; Cowles, 106 N. Kirkwood Rd.

Maplewood—Hobby Chest

2728 Sutton

Neosho; Union Bus Depot, 106 W. Main
Oak Grove; Gene's Hobby Shop
St. Louis; Ace Model, 3145 Park Ave.
St. Louis; Charlie's Hobby, 4624 Macklind
St. Louis; Foster Book, 410 Washington
St. Louis; Henze Hobby, 5505 Lillian
St. Louis; Jimmy's, 5117 Delmar
St. Louis; Johnston RR Shop, 3118 Chippewa
St. Louis; Les Merrell's, 5242 Wabada
St. Louis; St. Louis Model, 2922 N. Union Blvd.
St. Louis; Mundell, 6363 Easton Ave.
St. Louis; Ray's Electric, 1818 N. Grand
St. Louis; Schaefers, 5609 E. Virginia
St. Louis; S. Side, 5406 Gravois Ave.
St. Louis; Stix-Baer, 601 Washington Ave.
Sedalia; Johnny's Hobby, 612 S. Ohio St.
Springfield E. Radio, 1000 E. Commercial
Springfield; Hoover's, 316 S. Ave.
Springfield; Ozark, 327 South Ave.
Spring Park; Repair & Hobbycraft
Virginia; Range Hobby, 204 2nd Ave.
West Duluth; Hobby, 3 No. 4th Ave.
Willmar Daves, 5th & Litchfield
Winona; Fad Shop, 79 W. 3rd St.

St. Joseph—Model Supply Shop

905 Frederick Ave. Phone 40785

ST. LOUIS—LEMAY

Complete line of railroads, all gauges
Airplanes, race cars, gas motors
All modeler's necessities
Scale parts a specialty

SWIFT MODEL SHOP

778 Lemay Ferry Rd. HU. 2466

ST. LOUIS

Mid-West Largest Selection Lionel AF Marx. Also Landscaping, Houses, Figures, etc. Parts & Service. Open 9 to 9.

BELL SPORTS & HOBBIES

6190 Delmar Ave. PA. 3083

MONTANA

Billings; Billings Hobby, 2719 Montana
Billings; Radio, 2710 Minnesota
Browning; Glacier Studio
Great Falls; Murphy-Maclay,
Great Falls; Sturrock's, 624 Central
Red Lodge; Connies, 617 S. McGillen Bx. 214

NEBRASKA

Alliance; Bowling, Box 1368
Hastings; Hobby, 216 North Denver

Lincoln—Bartlett's Hobbies

1215 O Street

North Platte; Hobby, 415 N. Jeffers
Omaha; AK Sar Ben News, 16th & Roland
Omaha; Ben Newsstand, N.E. Cor. 16 & Bow
Omaha; Brains, 1413-15 Harvey St.

Omaha—House of Hobbies

40th & Dodge Sts. JA 4590

Omaha; House of Hobbies, 111½ N. 40th St.
Omaha; Kleser's Book, 205 N. 16th St.
Omaha; Olson & Clark, 6125 Maple St.
Omaha; US News 1524 Farnam
Omaha; Van Avery, 1512 Harney St.
Scottsbluff; Higbee, 1424 Fourth Ave.
Scottsbluff; Hobby, 2017 Broadway
Scottsbluff; Hobby, Box 801

NEVADA

Las Vegas; Hobby Shop 419 Carson St.
Reno; Builders, 1274 S. Virginia St.
Reno; Camera, 170 No. Center St.

NEW HAMPSHIRE

Concord; French's, 10 No. State St.
Dover; Hoitt, 550 Central
Exeter; George, 239 Water St.
Laconia; Rogers', 626 Main St.
Manchester; Coughlins, 18 Hanover St.
Manchester; Lynch's Sport Equip. Co.
Nashua; Brown, 226 Main St.

NEW JERSEY

Asbury Park; Bicycle, 1406 Main St.
Atlantic City; Hobby, 1713 Pacific Ave.
Atlantic City; Roundhouse, 7 S. Virginia
Bayonne; Dobb's, 720 Broadway
Bedminster; Jersey Train, Rt. 32
Belleville; Bryan, 64 Union Ave.

Belleville—Belleville Hobby Shop

338 Washington Ave. PLymouth 9-6699

Bergenfield; Hobby Center, 7 Palisade Ave.
Bergenfield; Connie's Sport 53 S. Wash.
Bergenfield; Jerry's Hobby, 63 S. Washington
Bloomfield; Every Ready, 401 Broad St.

BLOOMFIELD

Bloomfield's Complete Hobby Shop, HO—S—TT—American Flyer Sales & Service

"JACK'S HOBBY AND CRAFT HOUSE"

735 Bloomfield Ave. BI. 2-2887

PARSIPPANY

Authorized AF Service
Lionel—HO—AMT Trains
Open Sundays and Weekdays,
Evenings till 9 p.m.

RICH'S HOBBYTOWNE, INC.

Route 46 BOonton 8-2666

Bound Brook; Vince's, 113 Talmadge
Bridgeton; Edvina, 3 East Commerce
Bridgeton; Hobby, 31 Walnut St.
Bridgeton; Signal Stop, 162 N. Pearl St.
Camden; Shar's, 607 Broadway
Camden; Fair, 2748 Federal St.
Cliffside Park; Lionel City, 651 Anderson Ave
Cranford; Cooper, 511 Central Ave.

CLIFTON

Model Railroad Specialists
Friendly, courteous service! Let us help with your Railroading Problems

CLIFTON HOBBYCRAFT

1241 Main Ave. Clifton, N. J.

Dover; Harris, 3 So. Essex St.
Dunellen; Model RR, 290 Vail Ave.
East Orange; Handicrafts, 54 S. Harrison
East Paterson; Lionel City, 529 River Dr.
Elizabeth; Hobbyland, 300 Third St.
Elizabeth; Hobby, 327 Morris Ave.
Elizabeth; Hobby Depot, 274 Broad
Elizabeth; Hobby House, 1159 Elizabeth
Englewood; Bicycle, 78 E. Palisade
Englewood; Beverly, 40 W. Palisade Ave.
Fairlawn; Hobby Haven, 37-08 Broadway
Freehold; Art's Photo, 10 W. Main St.
Garfield; Treasure House, 27 Passaic

GUTTENBERG

Model Boats—Air Planes—Race Cars—Trains—Engines and Accessories
Open 6 Days—Evenings till 10

HERMAN'S HOBBY HOUSE

6908 Bergenline Ave. UN. 5-5597

Hackensack; Hobby Land, 390 Main St.

HADDONFIELD

South Jersey's hdqts. for trains all gauges—American Flyer Service Stations.
Open evenings.

HIGHWAY HOBBY SHOP

Cor. King's Highway and Haddon Ave.

HAddonfield 9-6860

HASBROUCK HEIGHTS

Handling all scale gauges. Large parts stock. A.F. & Lionel
10 a.m. to 7 p.m. Wed. & Fri. 10 to 9

THE EASTERN MODEL RAILROAD CO.

169 Boulevard HASB 8-1838

Hammonton; Mickey's, 11 Horton St.
HasBrouck Hgts; Eastern Model, 169 Blvd
Hasbrouck Hgts; Covals, 196 Blvd
Hillside; Hobby, 233 Hollywood
Hillside; Hobby, 1303 Liberty Ave.
Irvington; Hobbycraft, 888 18th Ave.
Irvington; Hobby Shop, 760 Springfield
Irvington; Madison, 1288 Springfield
Jersey City; Bill's, 447 Jackson Ave.
Jersey City; Hobby-Rama, 157 Jackson Ave.
Jersey City; Mann Radio Shop, 255 Central Ave
Jersey City; Simonetti, 137 Monticello

JERSEY CITY

"HO"—"S" Trains and Accessories
American Flyer Sales Service
Planes, Engines, Crafts

THE HOBBY SHOP

2182 Blvd. Jersey City

Kearny; Elm Hobby, 612 Elm St.
Linden; Rosewood, 115 N. Wood Ave.
Livingston; Dog House, 18 E. Mt. Pleasant
Lyndhurst; Crawfords, 212 Stuyvesant Ave.
Maplewood; Ralph's Bike, 513 Valley
Maplewood; Smith, 66 Pierson Rd.
Merchantville; Zane, 201 Lindberman
Montclair; Robin, 215 Glenridge Ave.
Mount Holly; Holly Hobbies, P.O. Box 191
Mountainside; Drug, 899 Mountain Ave.
Newark; Ace Hobbycraft, 385 W. Market
Newark; Fisher, 517 Ferry St.

Newark—Kresge-Newark

Mitchell 2-8000

New Brunswick; Varga's, 57 Easton Ave.
Nutley; Shannon's, 505 Franklin Ave.

ORANGE

HO, O, Train Accessories. Lionel & American Flyer Sales & Service
We sell Trains & Accessories only

TRAIN CENTER OF AMERICA

191 Main St. OR. 4-6285—6969

Parsippany—Rich's Hobbytowne, Inc.

Route 46 BOonton 8-2666

Palmyra; Photo, 16 E. Broad St.
Passaic; Hobby, 327 Broadway
Paterson; Edison, 213 Slater St.
Paterson; Edwin's, 196 Market St.
Paterson; Goldies, Box 2641
Paterson; Totowa Hobby, 536 Union Ave.
Pautsboro; Sam's, 413 Billingsport Rd.
Penns Grove; Bowen's, 20 Main
Perth Amboy; Fishkin, 157 Smith St.
Pitman; Crowley's, 42 Pitman Ave.
Pitman; Dorman's, 118 S. Broadway
Plainfield; Bert's, 412 Watchung Ave.
Plainfield; Craftsman, 300 Park Ave.
Pleasantville; Hobby, 21 W. Park Ave.
Pleasantville; Mainland Cycle, 87 No. Main St.
Point Pleasant; McLaughlins; 628 Bay Ave.
Pompton Lakes; Hobbyfair, 27 Colfax Ave.
Preakness; Lionel City, Hamburg Tnpk.
Rahway; Hobby Shop, 1525 Irving St.
Red Bank; Sherwood's, 7 Broad St.
Ridgewood; Flat, 19 W. Ridgewood Ave.
Ridgewood; Hobby, 196 E. Ridgewood

RUTHERFORD

Rutherford's leading R.R. Headquarters TT, HO, S, O gauges
Lionel, Gilbert, Parts, Gargraves track.

PAUL'S HOBBY SHOP

306 Union Ave. GE-8-0192

Somerville; Bob's, 21 S. Bridge St.
Somerville; Bob's, 18 Division St.
Somerville; Hdwe., 118 W. Main
So. Orange; Essex Hobby, 14 Sloan St.
Springfield; Kay's, 279 Morris Ave.
Trenton; American Radio, 25 E. Hanover
Trenton; Ben's Hobby, 442 S. Broad St.
Trenton; Hobby, 237 E. State St.
Union; Lucas, 2005 Emerson Ave.
Union City; Gervens, 1208 Bergenline
Vineland; Hobby House, 25 N. 6th St.
West Collingswood; Watson, 520 Richey
Westfield; Play Fair, 47 Elm St.

WESTFIELD

Kits and Supplies for Railroads, Boats and Airplanes

CENTRAL JERSEY MODELS

Cor. North Lenox Ave. Westfield

WEST ORANGE

Large selection of HO & TT Supplies
Planes—Boats—Motors

WILLOW HOOK NOOK

25 Tremont Ave. West Orange

Woodbury; Hobby, 17 Delaware St.
Woodstown; Maclarland, 22 So. Main St.

NEW MEXICO

Albuquerque; B&B Hobby, 1008 N. Third St.
Albuquerque; Denton, 837 So. Kentucky
Albuquerque; Freddies, 1804 E. Central
Albuquerque; H&H Hobby, 505 S. Madeira St.
Carlsbad; Sparks, 110 So. Canal St.
Raton; Crowe's Jewelry
Roswell; Doyle, 105 W. Walnut St.

NEW YORK CITY

New York; Phil's, 603 E. 5th St.
New York; America's Hobby Center, 156 W. 25th
New York; Art's, 3087 Third Ave.
New York; Bronx, 1359 Jerome Ave.
New York; Fanne's, 1383 Southern Blvd.
New York; Greenstein, 115 Allen St.
New York; Hobby Land, 1439 St. Nicholas
New York; Hobby Land, 24 Park Row
New York; General, 3120 Bainbridge Ave.
New York; Hobby Land, 25 Park Row
New York; Jac-a-Del, 933 Southern Blvd.
New York; Krentz, 1054 Third Ave.
New York; Normarth, 175 Second St.
New York; Union Port, 1138 Castle Hill
New York; University, 1701 Macombs Rd.
New York; Woodland Hobby Shop, 4330 Kathonah

Localized Dealer Service

TO SUPPLY YOU WITH THE LATEST AND BEST IN MODEL SUPPLIES

NEW YORK

HO, Lionel & A.F. Sales & Service
Planes, Boats, Cars, Crafts
Daily: 9 to 9: Sun: 10 to 9

HOBBY MART
Port Authority Bus Term.
(heart of NYC)
625 Eighth Ave. BR 9-5869

NEW YORK

Trains are our business—we have no sidelines. Authorized repair station. Mantua, Thomas, General Models, Lionel, American Flyer, etc.

MODEL R.R. EQUIPMENT CORP.
23 W. 45th St. LU. 2-2760-1-2

NEW YORK

Largest HO Stock in N. Y., Lionel, Gilbert, Bicycles, Guns, Sporting Goods, Toys

TRY-MO HOBBYCRAFT
1326 Broadway Hewlett, L. I.
Tel. FRanklin 4-3062

New York City—Polk's Model Craft Hobbies
314 Fifth Ave. BRyant 9-9034

Bronx—184th St. Hobby Shop
101 East 184th St. CYpress 5-7853

Bronx; Fordham Hobby, 470 E. Fordham Rd.
Bronx; Hobbycraft, 769 Lydig Ave.
Bronx; Hobby, 3991 White Plains Rd.
Bronx; Chester Hobby, 2317 Westchester Ave.
Bronx; Van Cortlandt, 5973 Broadway
Bronx; Woodlawn Hobby, 4330 Katonah Ave.

BROOKLYN

Authorized Lionel & American Flyer Service Station. HO scale kits and supplies. S, O gauge train accessories

BROADWAY HOBBYCRAFT
1638 Broadway GLenmore 2-9653

BROOKLYN, N. Y.

HOBBY TRAIN MART, INC.
37 Bond St. TRiangle 5-8876

BROOKLYN

Exclusively RR Featuring Parts
Authorized Mantua & Varney Repair
Daily 12-9:30, Sat. 10:30-9:30

HOBBY ASSOCIATES
479 Atlantic Ave. Nr. 3rd Ave.
Phone: ULster 5-4963

Brooklyn; Acme, 81-20 Seventh Ave.

Brooklyn 1—Abraham & Straus Hobby Center
Dept. No. 661 TRiangle 5-7200

Bklyn; Best Buys, 120 Flatbush Ave.
Bklyn; Bobbie, 575 Wilson Ave.
Bklyn; Bracco's, 1304 Eighth Ave.
Bklyn; Braun, 1130 Nostrand Ave.
Bklyn; Cabin, 66 Court St.
Bklyn; Col. O'Riordan, 35 Jerome Ave.
Bklyn; Camera, 8023 Fifth Ave.
Brooklyn; Camera & Craft, 8023 5th Ave.
Brooklyn; Fix-All-Appliance, 1392 Coney Island
Bklyn; Gilbert, 2209 Bath Ave.
Bklyn; Hobby, 2222 Coney Island Ave.
Bklyn; Hobby Train, 37 Bond St.
Bklyn; Jafffe Hardware, 8423—20th Ave.
Bklyn; Jean's Knit, 2369 86th St.
Bklyn; Joy-lin Sales, 3609 Broadway
Bklyn; Loonin, 3001 W. First St.
Bklyn; Louron Sales, 110 De Kalb Ave.
Bklyn; Marchese, 442 Linwood St.
Bklyn; Mercury, 920 Utica Ave.
Bklyn; M-S Trading, 66 Court St.
Bklyn; Meteor, 1454 Flatbush Ave.
Bklyn; Oshorn, 338 East 98th St.
Bklyn; Park Hobby, 8120 7th Ave.
Bklyn; Phillip Press, 2208 Ave.
Bklyn; Ruggeris, 4612 New Utrecht Ave.
Bklyn; Sonny's, 3194 Fulton St.
Bklyn; Sol Toubin, 562 Lorimer St.

BROOKLYN

We have a 70' HO layout. Members for an HO club welcome. Large selection of race cars, planes, motors, boats, ships, etc. Open till 10. HO club. Wed. at 8 p.m.

THE HOBBY DEN
6718 Ft. Hamilton Pkwy.
SHore Road 8-6533

BROOKLYN

Lionel, Amer. Flyer, O, S, HO, TT kits, accessories. GarGraves trackage—Layouts, Repairs. 9:00 a.m. to 10 p.m.

WALDELL HOBBIES
45 Newkirk Plaza ULster 9-0048

Babylon; Recreation Shop, 26 Railroad Ave.
Bay Shore; Hobby Center, 74 N. Park Ave.
Bayshore; Hobby Center, 130 E. Main St.
Bayside, L. I.; Harco, 211-02 Northern Blvd.
Baysside; Bob & Terry, 4105 Bell Blvd.
Bayside; Harco, 211-02 Northern Blvd.
Flushing; Pleasure Mart, 161-27 Crocheron
Freeport; Nassau, 35 Church St.
Glen Cove; White, Att. S. White
Great Neck; Raymond's, 98 Middle Neck Rd.
Glen Cove; Craft Center, 20 School St.
Hempstead; Allcraft, 37 Greenwich St.
Hempstead; Natureland, 64 Main St.
Hempstead; Sunrise Pet, 103 Main St.
Hicksville; Boslet's Hobby, 13 Herzog Pl.
Hewlett; Trymo, 1326 Broadway
Huntington; Auto Parts, 215 Main St.
Huntington; Sports Shop, 344 N. Y. Ave.
Huntington; De Boo's, 1146 N. Y. Ave.

JAMAICA

Everything in Hobbies. All gauges. Model & Tinplate. Specializing in Repair work. Daily 10 to 8 P.M., Sat. 9 A.M.-8 P.M. Mon. & Fri. 10 to 10 P.M.

JAMCO
(Jamaica Co. Hobbies Inc.)
179-29 Hillside Ave. JA. 3-9140

Jackson Hts; Arcade Asso, 7406 Roosevelt
Jamaica; Herman, 8913 Sutphin Blvd.
Jamaica; J & S Hobby, 168-51 Jamaica Ave.
Jamaica; Hobbies, 179-29 Hillside Ave.
Laurelton; Willey's, 230-09 141st St.
Levittown; Hefros, 2947 Hempstead Tpke
Little Neck; Bike Shop, 252-04 Northern Blvd
Long Beach; Hobby Center, 225 W. Park
Long Island; Model, 3229 Steinway St.
Long Island; Triangle, 43-05 Broadway
Lynbrook; Eddie's, 4 Stauderman Ave.
Lynbrook; Trainland, 293 Sunrise Highway
Mineola; Champs, 116 Mineola Blvd.
Patchogue; Hobby, 236 W. Main St.
Richmond Hill; Foster, 105-14 Jamaica Ave.
Richmond Hill; Stamp Co., 112-08 Liberty
Ridgewood; Nagengast, 68-02 Fresh Pond Rd.
Rockville Center; Spiewak's, 280 Sunrise Hwy.
Rockville Center; Model, 263 Merrick Rd.
Sag Harbor; Hobby, Whalers Point Boatyard
St. Albans; St. Albans Hobby, 187-24 Linden
Sunnyside; Center Radio, 42-13 Queens
So. Ozone Park; Julius, 140-22 Rockaway
Valley Stream; Hobby, Allendale 31 Rockaway Ave.
Westbury; Camera, 276 Post Ave.
West Hempstead; Hobby 544 Hempstead Ave.
Whitestone; Stationery, 14-02 150th St.
Williston Park; Willis, 332 Hillside Ave.
Woodhaven; Haven, 97-10 92nd St.
Woodside; Cye Hobby, 39-84 61st St.

NEW YORK STATE

Staten Island; Dick's Model, 47 Westbrook
Staten Island; Hobbyville, 452 Castleton
Staten Island; Hobby, 237 Richmond Ave.
Tottenville; Model, 346 Sleight Ave.
Albany; Ideal, 109 No. Lade Ave.
Albany; Klarsfeld, 67 Hudson Ave.
Albany; Palace, 27 Clinton Ave.
Auburn; Economy, 5 Genessee St.
Baldwin; Willeys Hobby, 107 N. Grand Ave.
Binghamton; Bridges Paint, 339 Main St.
Batavia; Genesse, 28-30 Main St.
Binghamton; Bridges Paint, 339 Main St.
Buffalo; Model Distrib., 1463 Genesee St.
Buffalo; House, 746 Tonawanda St.
Buffalo; Mueller, 50 Glendale Rd.
Buffalo; Model, 1463 Genesee St.
Buffalo; Model Land, 163 W. Ferry St.
Buffalo;North Main, 3142 Main St.
Bufalo; Seneca, 2064 Seneca St.
Buffalo; Spoonley, 37 Choate Ave.
Buffalo; Train, 701 Kensington Ave.
Buffalo; Weed & Co. Genesee St.

Buffalo 15—Frontier Hobbies, Inc.
3183 Bailey Ave. AMherst 8608

BUFFALO

Boats—Trains—Race Cars—Supplies

HOWARD E. RUTH MODELS CO.
1466 Genessee St. Buffalo 1

Glendale; Brauns, 66-58 Myrtle Ave.
Glenwood Landing; Gift, Glenwood Rd.
Hornell; Handicraft, 86 Main St.
Mt. Vernon; Westchester Model, Bx. 127
Niagara Falls; Ace Hobby, 1801 Pierce
Olean; Koeppel's, 182 N. Union St.
Yonkers; Hudson, 44 Morris St.
Corning; Newman's, 112 Bridge St.
Cortland; Model, 6 Chestnut St.
Dansville; Hughes, 159 Main St.
Dansville; Stony Brook Hobby
Deer Park; Mid Island, Deer Pk. Ave.
Downsville; Retail Hobby, Box 42
Aurora; Hill's, 628 Main St.
Elmira; Bunts, 422 E. Water St.
Elmira; Morrison's, Langdon Plaza
Elmira; Westside, 1260 W. Church St.
Endicott; Tolito's, 9 Washington Ave.
Endwell; Gene's, 3220 E. 1-26 Main St.
Genesee; Sport, 118 Main St.
Geneva; Ray's, 44 Exchange St.
Goshen; Hobby, 144 Murray Ave.
Herkimer; Hobby Shop, S. L. Moser
Highland Falls; Hoffman, 175 Main St.
Homer; Brown, Homer Courtland Rd.
Hornell; Jack's, 86 Main St.
Hume; Hobby Specialties, E. W. Mack
Jamestown; Peerless, 208 N. Main St.
Jamestown; Peerself, 322 Cherry St.
Johnstown; Chamberlains, 18 N. Market St.
Kenmore; Burd's, 3044 Delaware Ave.
Kingstown; Singer, 71-73 No. Front St.
Lancaster; Biggs, 5103 Broadway
Le Roy; Hardware, 12 Main St.
Malone; Karmelkorn, 60 W. Main St.
Middletown; Middletown Hobby, 19 E. Main
Monticello; Sullivan, 209 Broadway
Mt. Vernon; Model, 18 E. Sandford Blvd.
Mt. Vernon; Zephyr, 123 So 4th Ave.
Newburgh; Sutherland, 240 Broadway
New Rochelle; Wykagyl, 1321 North Ave.
New Rochelle; Model, 199 No. Avenue
No. Tonawanda; Schoenfeldt, 314 Schenck
Nyack; Weber's, 121 Main St.
Oswego; Aero, 12 E. Bridge St.
Perry; Links, 21 Genesee St.
Plattsburg; Hangar, 36 Clinton St.
Port Jervis; Brays, 135 Pike St.
Poughkeepsie; Arlington, 889A Main St.
Poughkeepsie; Wolf's, 387 Mill St.
Rochester; Craft, 337 Ridgeway Ave.
Rochester; Gray's, 1390 Culver Rd.
Rochester; Grays Hobbies, 36 Northgate Plaza
Rochester; Edmunds, 675 South Ave.
Rochester; Hermans, 283 Driving Pk. Ave.
Rochester; Wickman's, 780 Hudson Ave.

Rochester—Carl's (HO) Train House
1310 Clinton Ave. N. COngress 47-06

ROCHESTER

SCALE — Tinplate, Lionel Factory Approved Service. Manufacturers of Gargraves Trackage. Exclusively model railroading equipment.

"TRAIN DOCTOR" GARDNER
2261 Dewey Ave. GLenwood 2847

ROCKLAND

Model Railroading—Craft—Boats—Stamps
Airplanes—Toys—Artist Supplies
Authorized American Flyer Service Center
Hours: 10 a.m. Mon. through Sat.

ROCKLAND HOBBY & SPORT SHOP
39 South Main St. Cor. Rt. 59
Spring Valley 6-2422

Schenectady; Four Star, 116 State St.
Schenectady; Hobby, 1724 Union St.
So. Glens Falls; Roy's, 78 Saratoga Ave.
South Glen Falls; Hobby Craft, 18 Saratoga
Spring Valley; Rockland, 39 So. Main St.
Syracuse; Economy, Mattydale Shopping Ctr.
Syracuse; Elmwood, 1906 South Ave.
Syracuse; Greenwood, 2503 James St.
Syracuse; Guth, 132 E. Genesee St.
Syracuse; Hobby, 582 S. Salina St.
Tonawanda; O'Connor's, 24 N. Niagara St.
Utica; Cornhill, 336 James St.
Warrensburg; Trippies, 10 Gold St.
White Plains; De Witt, Box 102
White Plains; Westchester, 102 E. Post Rd.
Yonkers; McLean, 1016 McLean Ave.
Yonkers; Hobbies, 444 So. Broadway
Yonkers; Thomas, 25 Ardon Pl.

NORTH CAROLINA

Asheville; Sports Mart, 32 Battery Pk. Ave.
Charlotte; Charlotte Hobby, 131 W. 4th St.

Charlotte—Johney's Hobby House
Fourth & Church Phone 44188

Elizabeth City; Griffin, 606 E. Colonial
Greenville; Bell, 306 Penna Ave.
Havelock; The Sport Center
Hickory; Sporting, 1212 11th Ave.
Kinston; Bundy's Hobby, 300 E. Caswell St.
Lexington; Conrad's, 20 N. Main
Raleigh; Hobby Shop, Cameron Village
Raleigh; Hobby, 1205 Hillsboro St.
Raleigh; Johnson, 118 S. Salisbury St.
Reidsville; Fix-it, 400 Seales
Roxboro; Brown, 111 N. Main St.
Sanford; Jonesboro, 119 E. Main St.
Statesville; Riddle's, 603 W. Front St.
West Asheville; French's, 775 Haywood Rd.
Winston Salem; Bocock, 4th at Spruce Sts.

NORTH DAKOTA

Minot; Francis, Box 368
Noonan; Louie's, Box 114

OHIO

Alliance; Hobby Land, 944 E. Ohio Ave.
Barberton; Hobby, 190 Second St.
Barberton; Hobbyland, 196 17 St. No. W.
Bay Village; Enterprises, 628 Humiston Dr.
Bellefontaine; Zane, 401-05 W. Columbus
Bellevue; Hobby, 200 Kelbourne St.
Berea; Gorman's, 44 Front St.
Bucyrus; Rogers Sptg, 221 N. Sandusky Ave.
Bucyrus; Rogers, 912 E. Warren St.
Cambridge; Mickee, 1093 Steubenville Ave.
Canton; Hawk's, 533 N. Market Ave.
Canton; Simon, 848 Market Ave. No.
Celina; Iona, 105 S. Main St.
Chillicothe; Hobby Haven, 133 E. 2nd St.
Cincinnati; Brendanour, 529 Main St.
Cincinnati; Don's, 709 Main St.
Cincinnati; Foltzer's, 214 E. 4th St.
Cincinnati; Hobby Center, 3416 Harrison
Cincinnati; Hobby Ctr., 7th & Race Sts.
Cincinnati; Hobby Shop, 5754 Hamilton Ave.
Cincinnati; Hobby, 2547 Woodburn Ave.
Cincinnati; Price Hill, 4938 Glenway Ave.
Cincinnati; Ridge, 6015 Montgomery Rd.
Cincinnati; Walts Hobby, 1008 Delta Ave.
Cincinnati; Westwood, 3332 Dartmouth Dr.
Cincinnati; Model, 2715 Vine, Corryville
Cleveland; Amuse-U-, 12621 St. Clair Ave.
Cleveland; Model, 4506 Lorain Ave.
Cleveland; Ed's, 4865 Turney Rd.
Cleveland; Jaye, 14679-81 Euclid Ave.
Cleveland; John's, 4903 Fleet Ave.
Cleveland; Hobbyville, 10911 Lorain Ave.
Cleveland; Hobby Center, 14112 St. Clair
Cleveland; Mac's Model, 9609 Lorain Ave.
Cleveland; Nobby-Hobby, 10310 Union Ave.
Cleveland; Red's, 7804 St. Clair
Cleveland; Sayler, 788 E. 185th St.
Cleveland; Sparks, 6405 Union Ave.
Cleveland; Paul's, 695 East 152nd St.
Cleveland; Model, 3166 W. 25th St.

CLEVELAND

Nation's largest, most complete stock of all scale gauges, Lionel, AF Kits, Used, O & HO Custom Built—50,000 parts! Downtown Cleveland—Mon. till 9 p.m.

THE HOBBY HOUSE, INC.
800 Huron Rd. Cleveland 15, Ohio
Superior 1-3210

LAKEWOOD (CLEVELAND)

Hours 10:00 A.M. to 9:00 P.M. Sundays and Holidays 12:00 noon to 3 P.M. Closed Thanksgiving, Christmas, New Year's.

HOBBY ENTERPRISES, INC.
16302 Detroit Ave. BO. 2-1675

Cleveland—Cleveland Crafts Co.
4705 Euclid Ave. HEnderson 2-1333

CLEVELAND

Authorized American Flyer Sales and Service — HO — S — O
Daily 11 to 8 p.m.; Sunday to 2 p.m.

WEST 25th HOBBY and CYCLE
3166 W. 25th St. SH 1-2656

Columbus; Brown, 1638 Glenn Ave.
Columbus; Clintonville, 3230-3232 N. High
Columbus; Hall, 185 S. High St.
Columbus; Hobby Mart, 73 E. Gray
Columbus; Tool Rental, High & 10th
Columbus; Whittier, Town & High St.
Columbus; Hobby Harbor, 22 N. 3rd St.
Columbus; Linden, 2458 Cleveland Ave.
Columbus; Nevorbs Trains, 1638 Glenn Ave.
Cuyahoga Falls; Marchal's, 1768 State Rd.
Dayton; Adams, 4200 Oakridge Dr.
Dayton; Baker, 3128 S. Smithville Rd.
Dayton; Model, 1318 Wayne Ave.
Dayton; Goods Hobby, 1720 N. Main St.
Dayton; Hobby Ctr., 1206 N. Main St.
Dayton; Marsden, 1010 Wyoming St.
Defiance; Hobby Den, 503 Fifth St.
East Liverpool; Edwin, Glenmore 1
Elyria; Model, 606 Middle Ave.
Euclid; Riedel, 1040 Babbit Rd.
Findlay; Hobby, 115 S. Main St.
Findlay; Hobby, 201 S. Edith Ave.
Fostoria; L&S Hobby, 641 N. Poplar St.
Fremont; Engler's, 521 Rawson Ave.
Friendship; Bussa Model R R
Galion; Neal's, 131 Third Ave.
Greenville; Deardoff, 302 Sycamore St.
Ironton; Born's, 2502 So. 7th St.
Kent; E. Beckwith Trains, 235 E. School
Lakewood; Taylor's, 13421 Madison Ave.
Lakewood; Wings, 17114 Detroit St.
Lebanon; Bashfords, 20 E. Mulberry St.
Lima; Owen, 207 So. Pine St.
Lorain; Hobby Shop, 2406 Broadway
Lorain; S'Ply, 734 Broadway
Mansfield; Hobby Center, 134 Park Ave.,
Mansfield; Hobby, 611½ N. Main St.
Mansfield; Esto's, 232 W. 6th St.
Mansfield; Kemp, 108 W. Walnut St.
Mansfield; Penn, 22 So. Main
Maple Hts.; Treacy, 5142 Thomas St.
Marion; Sandy's, 279 E. Fairground St.
Marion; Hinton's Sport, 251 W. Center
Massillon; Al's Hobby, 1323 1st St. N.E.
Lorain; Hobby, 806 Broadway
Middletown; Beatty's, 21 Inglehart
Middletown; Danny's, 200 Shafer
Newark; Anderson's, 11 N. Fourth St.
Newark; Hull's, 20-31 W. Church St.
Niles;Harry's, 414 Sayers Ave.
North Lima; Wolfgang
Osborn; Ace Model, 331 No. Elm St.
Parma; Sport, 5753 Ridge Rd.
Perrysburg; Mills, 322 Louisiana Ave.
Port Clinton; Connor, 112 W. 2nd St.
Ravenna; Clark, 262 W. Cedar Ave.
Salem; Gordon, 701 E. State St.
Sandusky; Craft, Box 1522
Shaker Hgts; Hobby, 16609 Kinsman Rd.
Shaker Hgts; Nicholls, 3433 Lee Rd.
Shelby; Pittenger's, 15 N. Broadway
Springfield; Smith, 1813 Woodward Ave.
Springfield; Snyder, 325 W. Main St.
South Euclid; Nacv's, 4481 Mayfield Rd.
Steubenville; Hobby, 155 S. 4th St.
Tiffin; Elec. Trains, 246 Jefferson St.
Tiffin; McDaids, 27 E. Market St.
Toledo; Hines, 621 Madison Ave.
Toledo; Jim's Hobby, 1518 Blandin
Toledo; Star Hobby, 827 Starr Ave.
Toledo; Hobby Center, 702 Madison Ave.
Troy; Trojan, 424 E. Canal St.
Warren; Hobbyland, 1329 Larchmont
Warren; Considder's, 635 Porter St. N.E.,
Warren; Train, 688 Mahoning Ave.
Waynesville; Willis Hunter, Box 79
Wooster; Treasure, 136 So. Grant St.
Youngstown; Amer's, 1326 Market St.
Youngstown; Mester's, 339 W. Federal St.
Zanesville; Hastings, 805 Gilbert St.

Akron—M. O'Neil Company
Blackstone 3-11

Cincinnati—Foltzer's Electric City
214 E. 4th MA 52

Cincinnati—The John Shillito Co.
Dunbar 70

Columbus—Hobby Mart
73 E. Gay St. MAin 59

TOLEDO

An Old Rail for Midel Rails—If It's Made I Have It. O—HO—TT—Lionel, A.F.
Open Wed., Fri., Sat. Eve.

MODEL RAILROAD & TRACTION SUPPLY
1922 Broadway Main 484

OKLAHOMA

Chickasha; Book Exch., 522 Chickasha Ave.
El Reno; Hobby, 515 N. Choctaw
Enid; Hobby, 213 N. Independence
Pond Creek; Gale Model Shop
Oklahoma City; Caboose, 1115 N.W. 41st
Oklahoma City; Howard Hobby, 3625 N.W. 16th St.
Oklahoma City; Andy.124 W. Grand
Oklahoma City; Campbell's 1906 Classen
Oklahoma City; Emerald, 2224 S.W. Binckle
Oklahoma City; Nichols, 2340 Dorchester D
Stillwater; Model, 915 Main
Tulsa; Brewster's, 1003 S. Peoria
Tulsa; Hobbycrafts, 1524 S. Harvard
Tulsa; Morrison, 1444-48 S. Lewis
Tulsa; Oil Capital, 702 S. Boston
Tulsa; Hobby, 305 E. Fourth
Wewoka; Dumphin Radio Service, Bx. 1091

OREGON

Albany; Hobby, 331 Lyon St.
Baker; Anderson Stores
Eugene; Brighter, 858 Pearl St.
Eugene; Magazine Exc., 25 E. 11th
Grants Pass; Lyle's, 237 S.W. "G" St
Hillsboro; Mac's, 607 S. 9th St
Junction City; Doc Flxit, 665 Ivy St.
Lebanon; Al's Hobby, 43 E. Ash
McMinnville; Tommy's, 711 Third St.
Medford; Sims Cycle, 23 North Fir
Ontario; Westcott, 399 S. Oregon St.
Oswego; Lake Sports, 220 State St.
Pendleton; Buckeroo, 330 S. Main
Pendleton; Gadwa's, 123 S.E. 2nd St.
Portland; Bob's, 5023 N.E. Union Ave.
Portland; Dicks, 3915 S.W. Dakota St.
Portland; Flegel, 3964 N. Interstate
Portland; Kirby's, 6221 S.E. Milwaukie Ave
Portland; Gill Co., S.W. 6th & Stark
Portland; Vic's, 1824 N.E. 40th St.
Portland; Cigar, S.W. 6th & Wash. Sts.
Tillamook; Morris, Store—Mr. Norris
The Dalles; Broughton's, 409 Laughlin St.

PORTLAND

Most complete HO stock in the Northwest. Domestic-British-French-German-Italian Swiss.
See our operating layout and European displays.

WESTERN PHOTO SUPPLY
2366 West Burnside Beacon 9027

PENNSYLVANIA

Allentown; Bloch's, 22 N. 8th St.
Allentown; Hobby Stahl, 1111 Hamilton St.
Altoona; Hobby, 1529 Third Ave.
Altoona; Shelow's, 1307 7th
Bellefonte; Poorman's, 226 W. High St.
Bellevue; Orr's, 10 Hawley Ave.
Bethlehem; Mac's, 315 W. 4th St.
Bloomsburg; Ritter's, 203 W. 8th St.
Bradford; Henretty, 33 Mechanic St.
Bristol; Model, 1031 Pond St.
Chambersburg; Brand's, 125 S. Main St.
Chester; Brown's, 1242 Providence Ave.
Chester; Mansley's, 818 Morton Ave.
Chester; Marchlik's, 2730 W. 6th St.
Chester; Simmonds, 714 Welsh St.
Clearfield; Hobby, 30 N. 3rd St.
Coatesville; Harry's Hobby, 311 E. Lincoln
Collegeville; Richards, Box 62

oraopolis; Michael's, 507 Mill St.
roydan; L & S Hobby, 716 A Cedar
evon; Hobby Shop, Berkley Rd & Grove Ave.
oylestown; Hobby, 63 So. Main St.
aston; Bushkill, 348 Bushkill St.

ENNSYLVANIA

EASTON

Largest stock in this area. 3 operating layouts. Auth. Lionel & Am. Flyer Sales & Service.

HOBBY HANGOUT

509 Northampton St. Phone 2-6871

rie; Don's Model, 2312 Peach St.
easterville; Jax Cycle, Busteton Pike & Does L
ettysburg; Gilbert's, 230 Steinwehr Ave.
lenside; Keswick, 344 N. Easton Rd.
reencastle; Morganthall's, 33 E. Baltimore
reensburgn; Powder Horn, 14 E. Pgh. St.
reensburgn; Hobby Shop, 503 Alexander
reensburgn; Supreme, E. Pittsburgh St.
rove City; Walter's, 301 So. Broad St.
anover; Murphy's, 31 Baltimore St.
anover; Strickler's, 512 Broadway
arrisburg; Hobby, 211 Locust St.
arrisburg; Huss, 138 S. 17th St.
arrisburg; Woodcraft, 2004 N. 6th St.
atboro; Red Lion, 231 S. York Rd.
avertown; Sweet Shop, 2409 Darby Rd.
eidelberg; Dolores, 412 First St.
ighspire; Knights Gabby, 496 Second St.
enkintown; Hobby Center, Yorkway Place Arcad
ohnstown; Bantley, 701 Van Lonen St.
ohnstown; Buck's 334 Washington St.
ohnstown; Ed Wehn, 362 Central Avenue
ennett; Schmaltz, 113 W. State St.
ancaster; Felsinger's, Rd. No. 2
ancaster; Piersol, 24 E. King St.
ancaster; Wieland's, 315 No. Queen St.
ancaster; Witmer, 747 New Inoland Ave.
ansdale; Keiser's, Main & Green Sts,
ansdowne; Westie's Hobbies, 17, N. Lansdowne
atrobe; Penn, 515 Depot St.
aureldale; Steely's, 3400 Kutztown Rd.
ebanon; Hamburger's, 16 N. 9th St.
ewiston; Lou's, 7 Valley St.
ewiston; Western Auto, 26 Valley
ock Haven; Bagnell's, 313 No. Grove St.
ansfield; Garsides, 32 N. Main St.
ckeesport; Hlouse, 504 Locust St.
ckeesport; Hobby, 635 5th Ave.
ckeesport; Oddo's, 317 Shaw Ave.
eadville; B&B Model, 12 Meridian Bldg.
echanicsbug; Auto Asso., 25 E. Main
edia; Bill Butler, 28 S. Orange St.
iddletown; Bummert's, 141 W. Emaus St.
illersburg; Wingard, Market Sq.
illvale; Hobby, 527 North Ave.
ilton; Fruf, 159 So. Front Sq.
onaca; Merkel's, 1526 Penna Ave.
orrisville; Dick's Hobby, Rear, 243 Stockham
t. Wolf; Carroll, Fifth St.
azareth; Anglemire's, 40 S. Main
ew Castle; Menken's, 114 N. Mill St.
ew Cumberland; Model, 211 9th St.
ew Kensington; Corner's, 1000 Constitution
orristown; Bill, 202 W. Main St.
orristown; Ned Salter, 1861 Markley St.
orristown; Hobby, 417 W. Marshall
il City; Powell's, 14 W. First St.
il City; Venango, South Side
il City; Weango, Box 160
aoli; Watte, Cedar Hollow Rd.
hiladelphia; Albert's, 5832 Germantown
hila; Albern, 3126 Market St.
hila; Allied, 6535 Rising Sun Ave.
hila; Allied, 4804 Frankford Ave.
hila; Allied, 722 Market St.
hila; Becker, 6 N. Eleventh St.
hila; Bicycles, 5815 Woodland Ave.
hila; Contino's, 2004 Snyder Ave.
hila; E and H, 130 W. Chelten Ave.
hila; E and H, 7303 Frankford Ave.
hila; Electronic, 130 W. Chelten Ave.
hila; Evans, 4355 Frankford Ave.
hila; Francis, 5815 Woodland Ave.
hila; Green's, 216 So. 52nd St.
hila; Hipwell's, 328 S. Orange St.
hila; Burhanna, 6224 Germantown Ave.
hila; Chris's, 2768 N. Howard St.
hila; Danes, 2048 N. 7th St.
hila; Derr, 1114 E. Price St.
hila; Germantown, 41 N 10th St.
hila; Girard, 924 N. 28th St.
hila; Hill, 8135 Germantown Ave.
hila; Hobby, 3218 N. Bailey St.
hila; John's Hobby, 2857 N. 5th St.
Philadelphia; Kimballs Cycle, 7035 Frankford
Phila; Laurent, 4903 Catherine St.
Phila; Mayfair, 7733 Frankford Ave.
Phila; Les Myers, 21 S. 16th
Philadelphia; Meyers, 1811 Cottman Ave.
Philadelphia; Meyers, 5422 N. 5th St.
Phila; Mercur, 3020 Midvale Ave.
Phila; Northeast, 2421 E. Allegheny Ave.
Phila; Neven, 4713 Longshore St.
Phila; Newcomer, 427 Longshore St.
Phila; Ogantz, 7162 Ogantz Ave.
Phila; Olney, 142 W. Linton St.
Phila; Otterstein, 1942 So. 57 St.
Phila; Reda's, 2640 N. 29th St.
Phila; Stan, 7320 Frankford Ave.
Phila; Stap Radio, 2530 W. Lehigh Ave.
Phila; Stock, 83 W. Sedgwick

Philadelphia—Joseph B. Nagrant Hobby Shop

3218 N. Bailey St. BAldwin 9-8714

PHILADELPHIA

The HO headquarters of central Philadelphia. On 16th Street between Chestnut and Walnut.
Wednesday till 9.

TOM THUMB HOBBIES

19th and Chestnut LO. 7-7194

PHILADELPHIA

Everything in HO—PLUS!

QUAKER CITY HOBBIES

620 Market Street LO. 3-7465

PHILADELPHIA

Leading Hobby Railroad Center
Marklin Fleischman, Lionel, AF—Complete line HO kits, accessories
Authorized service station for all trains

NICHOLAS SMITH

60 N. 11th St.

Philipsburg; Sporting, Front St.
Phoenixville, Erb, 243 Bridge St.
Phoenixville; Estabrook, 311 Bridge St.
Pittsburgh; Aspinwall, 351 Freeport Rd.
Pittsburgh; Baldwin Trader Sam, 4710 McKee
Pitts; Bill & Walt's, 341 Blvd. of Allies
Pitts; Bill, 341 Blvd. of Allies
Pitts; Charles, 3229 W. Liberty Ave.
Pitts; Clinton, 5816 Penn. Ave.
Pittsburgh; Conklin Radio, 1414½ Lincoln Ave.
Pitts; Roy's, 200 West View Ave.
Pitts; Wilinsburg, 704 South Ave.
Pittston; Emleton's, 422 Wyoming Ave.
Pottstown; Marquette, 162 N. Charlotte
Quarryville; Miller, & Jackson
Reading; Haines, 44 S. 6th St.
St. Clair; Arlene's, 15 S. 2nd St.
Sayre; Double, 424 Keystone Ave.
Scranton; Hobby, 315 Adams Ave.
Scranton; Main Cut, 301 N. Wash. Ave.
Shamokin; Mowery's, 23 S. Market
Sharon; Mihlbaugh's, Thornton Hall
Shillington; Hobby Shop, 423 Brobst St.
Souderton; Mininger, 235 Franklin Ave.
State College; Vonada, 420 S. Burrowes St.
Stroudsburg; Hobby, 625 Main St.
Summit Hill; Arner, 28 W. Ludlow St.
Summit Hill; Hobby, 26 W. Ludlow St.
Swathmore; Camera, 405 Dartmouth Ave.
Tamaqua; Paint, 240 E. Broad St.
Towanda; Superior, 405 Main St.
Tyrone; Kennedy Model, 1861 Adams Ave.
Uniontown; Hobby, 36 W. South St.
Upper Darby; Warren's, 7057 Garrett Rd.
Upper Darby; Todd's, 7036 W. Garrett
Warren; Bessett, 1012 West 5th
Washington; Malone, 155 N. Maine St.
Waynesboro; Bailey, 75 E. Main St.
West Chester; Radio, 102 W. Market St.
West Newton; Eries, Main St.
West Reading; Hobby, 546 Penn. Ave.
Wilkes-Barre; Hobby, 159 Barney St.
Wilkes-Barre; Robbin, 28 N. Main St.
Wilkes-Barre; Mooney's, 165 Loomis St.
Wilkes-Barre; Dick's Hobby, 93 S. Main St.
Wilkinsburg; Model, 704 South Ave.
Williamsport; Stepp's, 246 Pine St.

WILLIAMSPORT

Scale and tinplate hdqrs. of northern Pa. Good stock, new and used Lionel, Gilbert. We repair all scale and tinplate.

BOB TOMPKINS
Model Railroad Shop
7 W. 4th St. Phone: 6707

Wind Gap; Bonney, Broadway
York; Burgard, Corn West & Phila. Sts.
York; Checkered, 602 E. Market St.
York; D. I. Gross, 227 South Hartley St.
York; Model Craft, 113 S. George St.

YORK

All nationally advertised kits and supplies HO and S Gauge Specialists
Hours 1 P.M. to 9 P.M.
Sat. 10 A.M. to 9 P.M.

CHECKERED FLAG MODEL SHOP
602 E. Market St. Phone: 34589

RHODE ISLAND

Central Falls; Hobbies, 178 Valley St.
Cranston; Hobby Shop, 53 Rolfe St.
Newport; Vee Bee, 107 Thames St.
Pawtucket; Farrell, 166A Pawtucket Ave.
Pawtucket; Hobby, 52 Roosevelt Ave.
Portsmouth; Stewart, Box 1020
Providence; Grants, 109 Empire St.
Providence; Hobby, 73 Empire St.
Providence; Train, 90 Broad St.
Providence; Willey, 77 Exchange Pl.
Westerly; Burdick's, 49 High St.
Woonsocket; Hobby, 161 Cumberland St.

SOUTH CAROLINA

Greenville; Delanys', 24 College St.
Columbia; Hillman's, 1216 Taylor St.
Columbia; Westons, 3308 Millwood Ave.
Spartanburg; Hobby, 134 Dunbar St.
Spartanburg; Aaron Read, 570 Reidville Rd.

SOUTH DAKOTA

Aberdeen; Hobby, 112 South Kline
Groton; New Deal
Rapid City; Hobby, 916 Main St.
Rapid City; Hobby Box 1148
Rapid City; Houk, Spts Goods
Rapid City; House of Hobbies, Villa Ranchaero
Sioux Falls; Anderson's, 116 W. 11th St.
Sioux Falls; The Universal Model 125 W. Tenth
Watertown; Barrattes, 18 N. Broadway

TENNESSEE

Chattanooga; Big 4, 1820 Rossville Ave.
Chattanooga; Certified, 108 E. 7th St.
Chattanooga; Mt. City, 1409 S. Kelley St.
Elizabethton; Book Store, 705 E. Elk Ave.
Etowah; Taylor Auto Supply Co.
Jackson, Hobby Center, 309 E. Main St.
Johnson City; Humphrey's, 304 W. Market St
Knoxville; Hobby, 511 W. Clinch Ave.
Knoxville; Le Quire's, 2078 E. 5th Ave.
Lake City; Hollerieder's, Store No. 1 Rt. 2
Livingston; United Hobbies—Mr. Jernigan
Memphis; Desoto, 72 Park Lane
Memphis; Elec. Train, 841 Barbara Dr.
Memphis; Hobby 368 No. Cleveland
Memphis; Sports, 1391 Union Ave.
Mufreesboro; Toy & Hobby, 127 S. Church
Nashville; Austin, 3430 West End Ave.
Nashville; Burk, 416 Church St.
Nashville; Hobby, 427 Broderick St.
Nashville; Martins', 724 Commerce St.
Oak Ridge; Hobbyland, Central Bus Term.

TEXAS

Amarillo; S. Equip., 411 Fillmore St.
Amarillo; Sport, 2703 Jackson

AMARILLO

A Full line of Lionel — Am. Flyer — HO Trains — Auto, Boats, Planes — kitis
Call anytime, day or night

SMITH'S HOBBY SHOP

3805 Tyler Phone: 2-5027

Athens; Jones, 313 Frizzell
Austin; Stautz, 116 W. 11th St.
Canyon; Daniel Morris Parker, Bx. 869
Conroe; Jackson Hardware, Box 227
Corpus Christi; Six-Point, 1309 Ayers
Dallas; Hobby, 209-A West Jefferson
Dallas; Hobbyland, 2307 So. Beckley
Dallas; Hobby Nobby, 1625 Pacific

Dallas—Sangers

Sterling 3611

DALLAS 4

Complete Model Supplies—Race Cars, Trains, Planes, Boats, Accessories

HALL'S HOBBY SHOP

4823 Bryan Dallas 4

Edinburg; Toyland, 417 E. Harriman Blvd.
El Paso; Christopher's, 815 Cedar St.
El Paso; Lind's, 1710 E. Yandell Blvd.
El Paso; Lowenberg, 2511 Yandell
Ft. Worth; Atlas, 108 E. 6th St.
Ft. Worth; Modelcraft, 3408 A Camp Bowie
Ft. Worth; Navotex, 1126 Penn. Ave.
Ft. Worth; Wellborn, Box 1690

Fort Worth—Crump's Hobby Corner

300 Main Ed 1343

Gainesville; Dustin, 108 E. Calif. St.
Galveston; Isle, 2408 30 St.
Grand Prairie; Henry's, 103 N. Van Buren
Houston; Greensteins, 512 Sue St.
Houston; Hobby, 3403 S. Shepherd Dr.
Houston; Kep-Kraft, 2312 N. Main St.

Houston—Foley's

Atwood 3311

Houston—G&G Model Shop

2522 Times Blvd. LY 7752

Kerrville; Millice, 920 Hillcrest Ave.
Kingsville; Hobbyland, 101 So. 5th St.
Littlefield; Hart-Thaxton
Lubbock; Repairzit, 2144 19th St.
McAllen; Model, 13th & Quinoa
Midland; Hobby Shop, 506 W. Ohio
Midland; Western 123 So. Main St.
Nacogdoches; Cycle, Box 48
Odessa; Holcomb, 1214 W. 10th St.
Paris; Burns Hobby, 128 S. Main St.
Plainview; J B's Hobby, 709 Oakland St.
Randolph Field; Bookstore, Box 93
Rosenberg; Pickard & Higgins, 800 Third
Rosenberg; Pickard & Higgins, Box 512
San Angelo; Wilson, 1423 W. Beauregard
San Antonio; Arnold, 5215 San Pedro
San Antonio; Dibbles', 313 So. Alamo
San Antonio; Jefferson, 206 Broadway
San Antonio; Minicraft, 416 No. St. Mary's
San Antonio; Model, 120 Broadway
Seymour; Radio, Box 323
Sherman; Zimmerman, 429 W. Texas St.
Sweetwater; Phillips, 906 Lamar St.
Terrell; Frazier, 208 N. Virginia

Texarkana—Two State Hobby Shop

821 West Seventh St. Phone 3-7632

Tyler; Harrison's, 206 N. Spring St.
Victoria; Plaza, 107 W. Constitution St.
Waco; Baugh's, 512 No. 25th
Waco; Connolly, James Connolly AFB
Waco; Hobby, 813 Jefferson
Wharton; Russell Rowe, Box 1279
Wichita Falls; Huff's, 916 Scott St.
Wichita Falls; Huffhines, 809 8th St.
Wichita Falls; Hobby, 700A Scott St.
Wichita Falls; Hobby Shop, 1636 McGregor St.

UTAH

Cedar City; Ace, 15 W. Harding Ave.
Murray; Model, 5009 Glenn St.
Ogden; Peck's Models, 2428 Kiesel Ave.
Price; Lewis, 46 E. Main St.
Provo; Gessford's, 149 West First No.
Richfield; Sharp, 275 No. Fifth East
Richfield; Sharp, 275 No. Fifth East
Salt Lake City; Douglas, 133 E. Second
Salt Lake City; Hobby, 33 Box 444
Salt Lake City; Sugarhouse, 870 E. 21
Salt Lake City; Zim's, 244 E. 2nd So.

VERMONT

Brattleboro; Perry's, 48 So. Main St.
Burlington; Hobby, 112 Cherry St.
Morrisville; Franklin, 17 Portland St.
St. Albans; No. Industries Inc., Box 390

VIRGINIA

Alexandria; George's, 1131 King St.
Arlington; Molle Hobbies, 4309 Wilson Blvd.

Arlington—Arlington Hobby Crafters

625 North Glebe Road JA 2-6442

Bennington—Western Auto Associate Store

128 North St. Phone 5111

Blacksburg; Western, 300 Main St.
Bristol; Random, 13 Moore St.
Cape Charles; Patterson, Box 89
Culpeper; Book, 159 E. Davis St.
Covington; Hobby, 202 Maple Ave.
Cradock-Portsmouth; Graham's Afton Pkwy.
Danville; Booth, 304 Main St.
Fall Church; Hobby, 131 S. Washington
Falls Church; Liebermann's, 6311 Hallran Rd.
Harrisburg; Martin, Box 6
Hilton Village; Serio, 373 Warwick Rd.
Lynchburg; Basham, 2213 9th St.
Newport News; Craftsmen, 3704 Wash. Ave.
Norfolk; Oak Ridge, 6806 Sewell's Point
Norfolk; Zephry, 16 Monticello Arcade

Norfolk—Toy Craft

3904 Granby St. Phone 26043

Portsmouth; Howell, 607 High St.
Richmond; Keel's, 107 N. 2nd St.
Richmond; Marine, 1645 E. Broad St.
Richmond; Rood's, 117 E. Broad St.
Roanoke; Jennings, 24 West Church Ave.
Roanoke; Perdue, 36 W. Kirk Ave.
Shenandoah; Roudabush, 444 First St.
Winchester; Hobby, 302 So. Braddock St.
Winchester; Model Haven, 140 S. Loudoun St.

WASHINGTON

Anacortes; Western, 1705 6th St.
Bellingham; Golden Rule, 1313 Comm St.
Bellingham; Hobby, 223 E. Holly St.
Bremerton; Hobby, 624 Fourth St.
Bremerton; Modern Home, 2515 Burwell
Bremerton; Sykes & Hobbies, 303 Park Ave.
Centralia; Townsend, 114 S. Tower Ave.
Dallesport; Tru Flite, E. Smithville Store
Dishman; Johanson's, 9123 E. Sprague
Ellensburg; Hobby, 914 E. Capital Ave.
Enumclaw; Hayless, 1414 Cole St.
Ephrate; Beaudry's Hobby & Cycle Shop
Everett; Hobby, 1818 Hewitt Ave.
Everett; Hobby, 2819 Wetmore Ave.

Everett—Everett Model Shop

2605 Colby Ave. Cedar 1216

Ferndale; Hobby Shop, Box 126
Goldendale; Variety Store—Eddy
Kirkland; Sporting Goods
Longview; Cliff's, 1421 Vandercook Way
Lynden; Hobby, 109 Third St.
Mt. Vernon; Hobby, 724 1st St.
Olympia; Chrystell, 415 Capital Way
Pasco; Woods, 920 W. Lewis St.
Port Angeles; Todd, 125 W. 1st St.
Prosser; Hobbies, First & Main
Prosser; Aircraft, Thomason Box 684
Puyallup; Rice's, 313-315 No. Meridan
Republic; A & R Model Shop, Box 541
Richland; Paul's, 800 G. Washington Way
Ritzville; Hilzer, Box 84
Seattle; Buz-Dougs, Hobby, 701 E. Pike
Seattle; Everett, 311 W. Smith St.
Seattle; Forresters Modelcraft, 2105 N. 45 St.
Seattle, Greenwood, 141 No. 85 St.
Seattle; Hobby Craft, Marche Store
Seattle; Engineering, 9524 Roosevelt Way
Seattle; Hobbies, 21411 Pacific Hwy.
Seattle; Model RR. Ser., 5801 Roosevelt Way
Spokane; Maurie's Hobby Shop, 1 Bon Marche-Palac
Spokane; Pugsley's Hobby Shop, S. 110 Post S
Spokane; Cycle, 217-219 N. Post St.

Spokane—Doc's Model & Hobby Shop

N. 1225 Monroe BR 2165

Sunnyside; Stationery, 528 6th St.
Tacoma; Lincoln, 761 38 St. So.
Tacoma; Model, 917 Commerce St.
Tacoma; Swan's, 1145 Commerce St.
Wenatchee; Hobby, 340 No. Wenatches
Yakima; Summers', 14 East "A" St.
Yakima; Clover Leaf, 10 N. 4th St.

WEST VIRGINIA

Belle; Brownies Model RR, 2001 W. Riverview
Bluefield; Barlow, 1238 Bland St.
Bluefield; Nelson, 618 Federal St.
Charleston; Model, 713 Grant St.
Charleston; Hobbycraft, 814 Washington St., E.
Clarksburg; Slaiter's, 309 W. Pike St.
Huntington; Nick's News, Box 1986
Huntington; Phillips, 1317 Charleston Ave.
Lewisburg; Greenbrier, Central RR, 315 Bell D
Martinsburg; Hedges, 809 Buxton St.
Parkersburg; Wilson, 326 Juliana St.
Weirton; Weir-Cove, 3348 Main St.
Wheeling; Hobby, 1209 Chapline St.
Wheeling; Kennedy's, 1063 Main St., Box 988
Wheeling; Model, 2701 Jacob St.

WISCONSIN

Appleton; Camera, 215 E. Wisconsin
Appleton; Hobby, 1126 W. Harris
Appleton; Valley, 229 E. College Ave.
Baraboo; Hobby, 105 4th St.
Beavver Dam; Mac's Hobby Shop, 226 S. Spring
Beloit; Brown's, 167 W. Grand Ave.
Elkhorn; Gene's, 323 W. Jefferson St.
Fond Du Lac; Albert, 173 S. Main St.

Fond Du Lac—Friess Studio & Hobby Shop

27 N. Main St. Phone 5742

Green Bay; Elec. Train, 905 Doty St.
Janesville; Dicks, 207 S. Franklin St.
Kenosha; Hobby, 7511 Sheridan Rd.
Kenosha; Tyson, 6201 14th Ave.
La Crosse; A & W Center, 1805 LaCrosse St.
La Crosse; Walkers, 1010 S. 16th St.
Madison; Badger, 409 E. Main St.
Madison; Monroe Sport, 1805 Monroe St.
Madison; University, 648 State St.
Manitowoc; Model, 938 So. 19th St.
Manitowoc; Toy Shop, 933 S. 8th St.
Marshfield; Sherman's, 406 S. Peach Ave.
Menasha; Hobbies, 5 Main St.
Menomonie; Del & Otto's, 501 Broadway
Milwaukee; Al's, 2725 W. North Ave.
Milwaukee; Auler, 159 N. Broadway
Milwaukee; Benz, 320 E. Silver Spring Dr.
Milwaukee; Brown Elec., 3814 N. 27 Wash.
Milwaukee; Grape's, 1812 W. Atkinson Ave.
Milwaukee; Hobbyland, 2504 S. Howell Ave.
Milwaukee; Garman's, 8214 W. National Ave.
Milwaukee; Mace's, 919 N. 3rd St.
Milwaukee; Model, 3308 W. Lisbon Ave.
Milwaukee; Mueller's, 5240 N. 35th St.
Milwaukee; Purdy's, 807 N. 2nd St.
Milwaukee; Ramstack's, 723 N. Milwaukee St.
Milwaukee; Walthers, Milwaukee Term. Bldg.
Milwaukee; Wisc. Hobby, 1743 W. Fond Du Lac
Milwaukee; Wisniewski, 2131-33 S. Kinnickinn

Neenah—Hobby Craft Shop

115 E. Wisconsin Phone 2-9191

Oconomowoc; Anderson Appliance, 128 N. Main
Oshkosh; Hobby House, 51 Main St.
Oshkosh; Nolte, 717 Oregon St.
Racine; Don's, 1248 State St.
Racine; Toy, 1509 State
Sheboygan; Lea's, 1030 N. 4th
Sheboygan; S. Drug, 814 Indiana Ave.
Stoughton; Hobby, 319 E. Main St.
Superior; Saffords, 1312 Tower Ave.
Superior; Andy's Hobby, 1715 Benknap St.
Wausau; Hobby, 203 First St.
Wauwatosa; Hobby Hut, 6719 W. North Ave.
Wauwatosa; Storma, 7510 W. State St.

West Allis—Garman Radio & Hobby Shop

8214 W. National Ave. GR 6-1412

West De Pere; Rabideau, 320 Main Ave.

WYOMING

Casper; Berlets, 128 S. Wolcott
Cody; Hobby, 1014 Tenth St.
Laramie; Albany Western Mercantile, 208B Grand
Laramie; Beckman's, 217 Grand Ave.
Rawlins; Sugar Bowl, 309 W. Cedar
Sheridan; Model, 639 Marion St.

ALASKA

Anchorage; Kohll, Box 959

T. H.

Honolulu, Boys Towne, 1343 Beretania St.

ARGENTINA

Buenos Aires; Hobby Shop, Cordoba 2965

BELGIUM

Antwerp; Bockhandel Van Den Bosch 1, St. Jacobsmarkt 1

SWEDEN

Stockholm; Sven Wentzel Modelplanfabrik Apelbergsgatan 48

CANADA

Belleville, Ont.; Dough's Hobby, 338 Pinnacle
Brantford Ont.; Hobby, 51 George St.
Calgary Alberta; Hobby, 623A 8th Ave. W
Goderich; Al Linfield's Sporting Goods
Hamilton; Hobby, 922 Barton St. E.
Hamilton, Ont.; Andys, 201 Walnut St.

HAMILTON, ONT.

All Reliable Brands—Trains, Boats, Planes, Craft, Archery

RILEY HOBBY SERVICE

755 King St. E. Hamilton, Ont.

Hamilton, Ont.; Loubill Hobbies, 1321 Main St.,
Kenora Ont.; Melville, North Star Dock
London; Gurd, 185 Dundas St.
London; Hobby, 347 Talbot St.
London Ont.; Marine, 229 Norton St.
London; Rodgers, 602 King St. E.
Montreal; Ben's Model Shop, 1350 Green Ave.
Montreal; Camera & Art Shop, 808 Jean Talon W.
Montreal; Richard Novelties, 7901 Berri
Montreal; Trainatorium, 1225 University
Montreal; Westmount Hobby Shop, 4926 Sherbrooke
Ottawa, Ont.; Hobbyland, 171 Lyon St.
Ottawa, Ont.; Dover's, 187 Sparks
Ottawa, Ont.; Hobby House, 239 Rideau St.
Ottawa, Ont.; Model RR Assoc., 308 Laurier
Pictou; Community Hardware Ltd.
Port Arthur, Ont., Green's, 196 S. Algoma St.
Preston; Dee Bee, 1304 King St.
Quesnel; Wears Sporting Goods
Regina Sask; Hobby, 2438 11th Ave.
St. John; Covey, 85 Germain St.
Sioux Lookout; Forbes, 84 King St.
St. Catherines; Grimsby's, 10 Rosedale
Toronto; Burden's, 114 Dundas St.
Toronto; Camera Hobby Centre, 3453 Longe St.
Toronto; Canadian Hobby, 1635 Eglinton, W.
Toronto, Ont.; Academy, 2566 Eglinton Ave., W.
Toronto, Ont.; Burden's Hobby, 2311 Yonge St.
Toronto; Hobby, 95A King St. West
Toronto, Leonard's, 608 Bayview Ave.
Toronto, Hobby Shop, 35 Tamarac Ave.
Toronto; Model, 66 Wellington St.
Toronto; Models, 2203 Bloor St. W.
Toronto, Ont.; Harold Speaker, 1852 Danforth Ave.
Toronto, Ont.; Pioneer, 973 Coxwell St.
Toronto, Ont.; St. Clair Hobby, 625 St. Clair Ave.,
Toronto, Ont.; Toronto Hobby-Craft, 1070 Danforth

LONDON, ONTARIO

Modelll Railroad and Hobby Supplies
Planes — Boats — Cars — Hobby Tools, Special orders taken.
Hrs. 9-6; Eves. 2-3094

FRANK THOMPSON
MODEL SUPPLIES
347 Talbot St. Dial 2-3094

Toronto; Wallace; 2387 Yonge St.
Vancouver, B. C.; Uncle John's, 550 W. Georgia
Vancouver; Hobby, 44 Kingsway
Vancouver; Hobby, 658 W. Georgia
Vancouver; Model, 2193 W. Broadway
Vancouver; Whistle Stop, 419 Granville St.
Victoria; Western, 2033 Albina St.
West Vancouver; Capilano, 828 Park Royal
Winnipeg; St. John, 646 Portage Ave.
Winnipeg; Sheane, 74 Chestnut St.

WINNIPEG, MAN.

Railroads (HO), Airplanes, Ships, Race Cars, Boats, Motors, Accessories

ST. JOHN'S
HOBBYCRAFT SUPPLIES
53 Osborne St. Winnipeg, Man.

Walkerville Ont.; Fox, 793 Argyle Rd.
Windsor; Cock Bros., 340 Pitt St. East
Windsor, Ont.; Janisse, 2017 Wyandotte St., W.

COMPLETE YOUR LIBRARY OF MINIATURE RAILROADING KNOW-HOW

- **PLANS**
- **PHOTOGRAPHS**
- **BUILDING PROJECTS**

Back issues of Railroad Model Craftsman from an excellent reference source for future building projects. The magazines described below are complete, in good condition and will be shipped prepaid same day as order is received. Listings below describe but a few of the featured articles in each issue. In addition there are many other projects of lasting interest. Order your supply today. Each complete year, only $3.50 postpaid.

JANUARY 1951
The CNJ at Plainfield
Stub Terminals
HO Paycar by L. Austin
Automatic trolley Turnaround
Mason Vixon Lines (O)
Brill Rail Bus

FEBRUARY 1951
8-Ball Loco. Works, by Brunger
Erie 135 ton flat car
I & G RR (HO), Bill Miller's
NYCRR Fire Fighting car (O)
Hertz—The future of O gauge
Double Gauge Turnout

MARCH 1951
SP Gerber engine house (O)
Frt. traffic at a cement plant
CNJ 0-8-0 camelback (O): Crater
Korean and Japanese models
NYCRR caboose (HO): Deutsch
Lights and chickens: Crosby

APRIL 1951
Mt. Washington Cog Ry
1915 gasoline loco. (HO)
NYCRR Caboose (HO): Part 2
Abbottsville & Western RR (S)
Gay Nineties Stations
Foldaway layouts

MAY 1951
RMC layout No. 2
Poultry car (HO): Miller
NYCRR Caboose: Part 3
Trestle bridge
J W Bowker in HO
Retaining Walls

JUNE 1951
Semi-well pocket flat car (HO)
Vinegar Valley Lines (HO)
Freight Station, Brunger
Model Carrying Case
J W Bowker (Part 2)
NC&StL K-2 Pacific (O)

JULY 1951
Auto coupler (HO): Prudhomme
Kenn Valley Lines (HO)
Little Louis 0-4-0 (HO); Schopp
Planning a model rr: Martin
Double slip switch in HO
4-4-0 from C P Huntington (O)

AUGUST 1951
100 years on the Erie RR
Covered Cement hopper (HO)
Automatic coupling ramps (HO)
Cellar railroading: J. Kemp
Planning a model rr: Part 2
Double slip switch: (Part 2)

SEPTEMBER 1951
2 pint size pikes in HO
Visible frt. car loads
Ute Short Line: Earl Cochran
The Electra Switch Machine
Pickle Car—HO—Miller
Diesel servicing

OCTOBER 1951
Layout Doctor with 4 layouts
Fooling your spectators
The Silverita Road (HO): Steen
Troop Sleeper (HO)
Remote control hookup
Kemtron's Brill Rail Bus

NOVEMBER 1951
Hump Yard Design
Locomotive headlights
Convertiing the Mantua "Belle"
Converting the Varney "Little Joe"
Slope back tender—HO—Miller
V&T Flat car plans (O)

DECEMBER 1951
St. Louis TRRA: Carstens
Clearance Car—HO—Schopp
Baldwin road switcher—HO
Simple Wiring—Houghton
Frost on the layout—Crosby
Model Hump Yard

JANUARY 1952
Early American Locomotive types
Ping Pong Table Layouts for HO
Timetable Operation Can be Fun
The Budd Rail Car (RDC-1, 3 & 4)
Footproof Switch Controls
Narrow Gauge Roads of Colorado

FEBRUARY 1952
Mule Train for Industrial Roads
How to build a Sturdy Framework
Combining Interlock & Block Signals
A Railroad Car Ferry for HO use
Track Plans of the Month; 10x18 feet and 9x16½ feet, both HO gauge

MARCH 1952
A cure-all Station for High Levels
Pulpwood Cars: Plans and Usage
Planning that Railroad Yard
Proto-story: Icing Reefers
Secrets of Quiet Trackwork
Building a "Galloping Gosling"

APRIL 1952
The Pacific Type—E. P. Alexander
Track Laying Tricks and Hints
Photo-Story: Moving B&O Coal
Modernize your Scenery Making
The Car Barn: a Line Car
Ping Pong Table Pike: RMC #3

MAY 1952
Proto-Plan: Modern Trestle Bridge
Build this Working Power House
HO Narrow Gauge Work Car
Practical Switch Tricks and Hints
Wayside Hints for Industrial Pikes
Easy-to-build Furniture Factory

JUNE 1952
Action at Railroad Crossings
How to Operate Two Trains at Once
Build this Home of Shake's Beer
Operating Crossing Gates: How to
Seaboard Camp Car
Blueprints: Old-time coach; mail car

JULY 1952
Let's Build this Skew Bridge
Framework for a Three-level Pike
Wood Body Tank Car of 1869
Build this Theater in HO Gauge
How to Model a Camelback Mogul
Add Detail to Your Pennsy E-6 Kit

AUGUST 1952
The Flying Wood Box (from Olin Kit)
Gauntlet Tracks and their Use
How to Model a Railroad Cut
A Ferry Terminal is Fun to Build
Adding Detail to "Casey Jones" Loco
How to Model Horseshoe Curves

SEPTEMBER 1952
The Magic of Hills (How to Build)
An interesting Trackside Freight Depot
Home Build relays and Turnout controls
How to Wire a Two Rail Layout
Add Detail to a Steeple Cab Switcher
Poling Pockets and their Usage

OCTOBER 1952
Milwaukee Road Flat Car
Special Wiring Problems in HO
Umbrella Sheds & How to Build Them
Field Sketches of one night projects
Detailing an Eight Ball Mogul
Inverting a Layout for new interest

NOVEMBER 1952
Build this Modern Radio Control Tower
Easy to Build Coffee Table Layout
Let's Build some Terminal Facilities
Trolley Freight Car from Comml. parts
A Crummy in HO for Beginners
An Overhead Concourse is fun to build

DECEMBER 1952
Carters Little River Mills (how to build)
First National Bank Building—Giebner
How to Convert the Varney Dockside
Let's Build an Elliptical Station
Boston Semi-Convertible Car
Mailing Tubes and their Model Usage

JANUARY 1953
Operating a Local Freight is Fun
The Car Barn—Hairpin Curves
Santa Fe Water Plant—Giebner
Simple Block Signals & Circuits
Converting a Penn Line T-1 Tender
The Finest Clockwork Layout Made

EBRUARY 1953
Santa Fe Water Installation—Giebner
How to Compose & Build a RR Scene
Depressed Center Flat Car (How to)
Rolling Countryside from Plaster
Adding a Trolley Line to your RR
Family Mansion of 1888 in HO gauge

MARCH 1953
Construction of four different bridges
Diesel Tender Conversion work
Hoppers: Fun to Build and Operate
Cubby Hole Railroading
Santa Fe Fuel Oil Supply—Giebner
Trolley Track work—Bill Schopp

APRIL 1953
Belvidere & Delta—Picture Story
Build this Caboose for only 39c
Trolley Wire Work—Bill Schopp
Santa Fe Fuel Oil Supply—Giebner
Home Workshop Motive Power
Tunnel Portals and their approaches

MAY 1953
Planning a Miniature Yard
Controls & Signal System in HO Gauge
Tunnels and their Modeling Usage
Fundamentals of trackwork design
A wooden Dining Car (NYC)
Layout without switches

JUNE 1953
Miniature Sand House—Giebner
Turnout Data for HO gauge
Union Pacific Motor Car
Let's Build a Telephone Shack
Low Cost Streamline Equipment
Sleeping Car, Palace Car 1870's

JULY 1953
Elevated Gate Tower for HO—Giebner
Terminals and How to design them
Economy Reading Caboose HO
Add a board railroad for limited space
Plans: T&P Gon; T&P Tank; D&RGW 2-8-0
Detailing a Mantua Trolley Car

AUGUST 1953
English railroading in HO gauge
Let's Build a Coaling Station
Planning an "E" Shaped Layout
Life-like miniature figures
Plans: MP Merchandise; ballast cars
Streamlining a Station

SEPTEMBER 1953
Scenery from A to Z
Practical building construction hints
Sanka Way (how to build a complete layout)
Specifications for kit-built structures
Glamorour Open End Cars
Plans: sp 4-4-0; NG Frt. Cars; Bldgs.

OCTOBER 1953
Positive Speed Control for Locomotives
Detailing the Mantua Pacific
Let's Build a Country Feed Store
Build your own Transfer Table
British Model Railroading
Let's Add a Trolley Line

NOVEMBER 1953
Easy-to-build Ash Conveyor—Giebner
Add a Branch Line to your System
Converting a Mantua Goat
Build this Coaling Ramp
Outside Wood Braced Reefers (How to)
Branch Line Terminal Cutouts

DECEMBER 1953
Manual Block Control Tower—Giebner
Small 2-8-0 from Commercial parts
How to make your own Switches
Let's build a Miniature Ice Plant
Adapting a Bowser Pacific
Single Stall Engine House—cutouts

ORDER TODAY

The above listings briefly describe some of the featured material in each issue. In addition, there is a wide range of constructive data, plans and building articles in every copy. All magazines are complete and contain fresh projects and building ideas that can be put to use on your present pike. Orders will be filled on a first come, first served basis! Use the coupon today.

RAILROAD MODEL CRAFTSMAN *Dept. B*
RAMSEY, NEW JERSEY

Please rush the complete sets of back issues as checked below. I understand these sell for $3.50 per year (12 issues) and that they will be shipped to me immediately, post-paid.

I enclose $ ..... in payment.

☐ Complete year 1951
☐ Complete year 1952
☐ Complete year 1953

NAME .....

ADDRESS .....

CITY & STATE .....

Index to Advertisers

A
Action Models 3
Alco Hobbies 3
All Nation Hobby Shop 4
America's Hobby Center 6-7
Atlas Tool Company 4

B
Baldwin Locomotive Works 1
Black, R. J. .....
Box Car Icen .....

C
Central Valley .....
Clover Decals 4
Collector's Mart 6
Corr's Nations Hobby Supply 4
Craft Model & Hobby Industry 5

D
Dance, Sherman 3

E
Eastern Traction Models 4

F
Floquil Products .....
Fowler, Don. J. .....

G
Gardner, E. A. 5
Gilbert, A. C. 5
Graff, Ulrich B. 1

H
Herman Enterprises .....
Hobby House ..... Cover
H. P. Products 3
HiBallers Corp. 4

I
International Models 4

K
Kadee Metal Products Co. 4
Kroll Kar 5

L
Laconia 1
Lee, Richard A. .....
Lindsay 2
Lionel 5
Little Engines 1
Rollin J. Lobaugh 4

M
Robert M. McMinis 3
Magnets 4
Major Electronics 1
Mantua Metal Products Co. 1
Marshall, John 3
Miniature Homes Mfg. Co .....
Model Engineering Works .....
Model Forests 4
Model Tramway System 4, 4

N
Newton, M. Dale 5
Nixon Model Company 4
Norgards .....
Northwestern Model Railways 5

P
Pacific Fast Mail 5
Percision Switches 4
Pittman Electrical Dev. Co. 4

R
Roadside America 5
Rossmoyne Model Products 3

S
Sattler's HO Depot 4
Selley, Inc. 42, 5
Schopp, Bill 3
Special Shapes 1
Suckrett Loose Leaf Co. 4
Suydam, E. 5

T
Train Terminal 3
Thomas Industries 5
Trost Models 5
Tru-Scale Models 2

U
Ulrich, C. J. 5

V
Leroy J. Vavrinek 5

W
Wagner Car Co. 5
Wesley Mfg. Co. 4
Weston Mini Figure Co. 1

X
X-Acto 5

COLLECTORS MART

This special section is open to recognized collectors or traders of Old Time Equipment.
Half inch ..... 6 insertions for $30.00
12 insertions for $50.00

No single insertions accepted. To qualify for 6 or 12 time insertions, ads must run consecutively. Closing date 10th of second month preceding date of issue. Payable in advance.

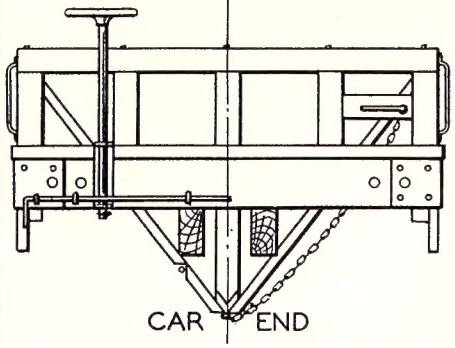
FOR SALE

Old trains, locomotives, cars, etc. Various gauges, some collectors items. Stamp for list. Walter Popek, 15 Main St., Garfield, New Jersey.

Printed in U. S. A.

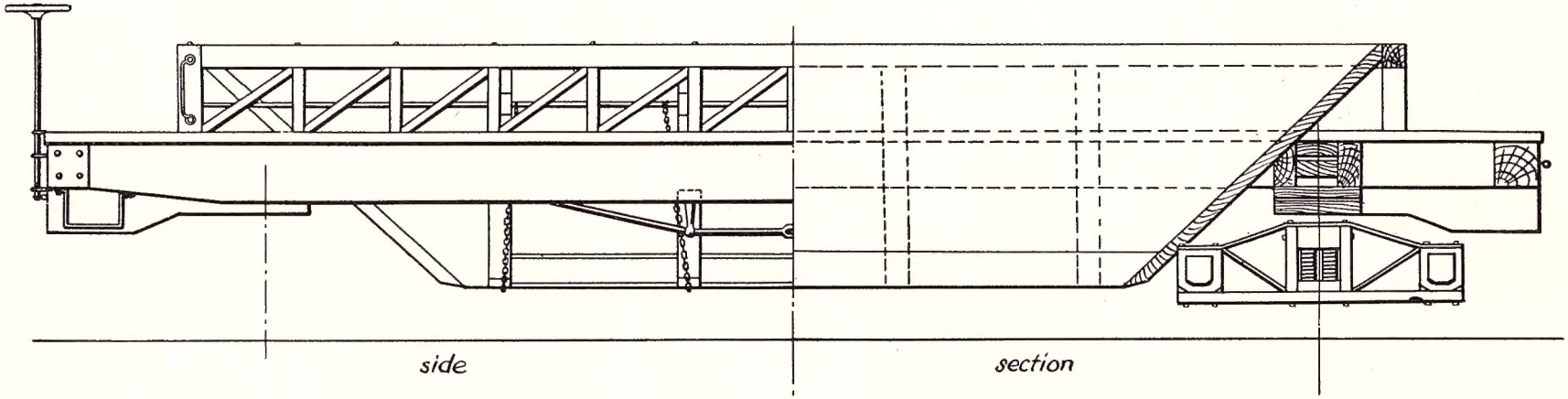
BALLAST CAR

Full Size O Gauge 1/4" Scale

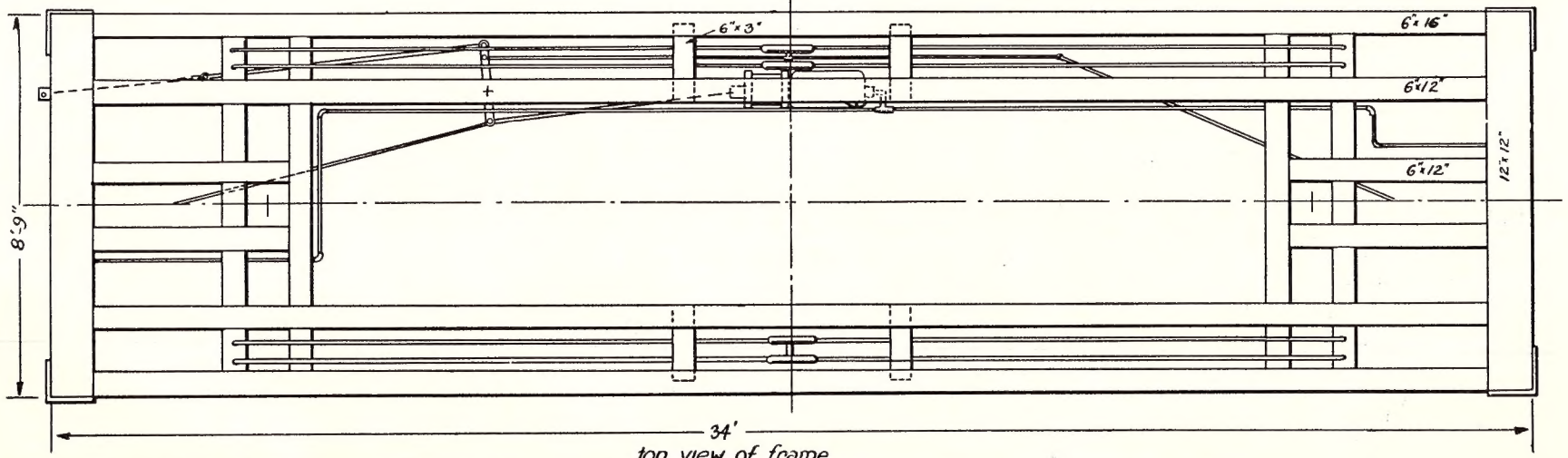


JANNEY COUPLER | AIR BRAKE | THE WILLIS E. FRENCH CO. BUILDERS CHICAGO, ILL. | ROAD INITIALS 000 | LENGTH 34 FT. | CAPY. 60,000 LBS. WT. 26000 LBS.

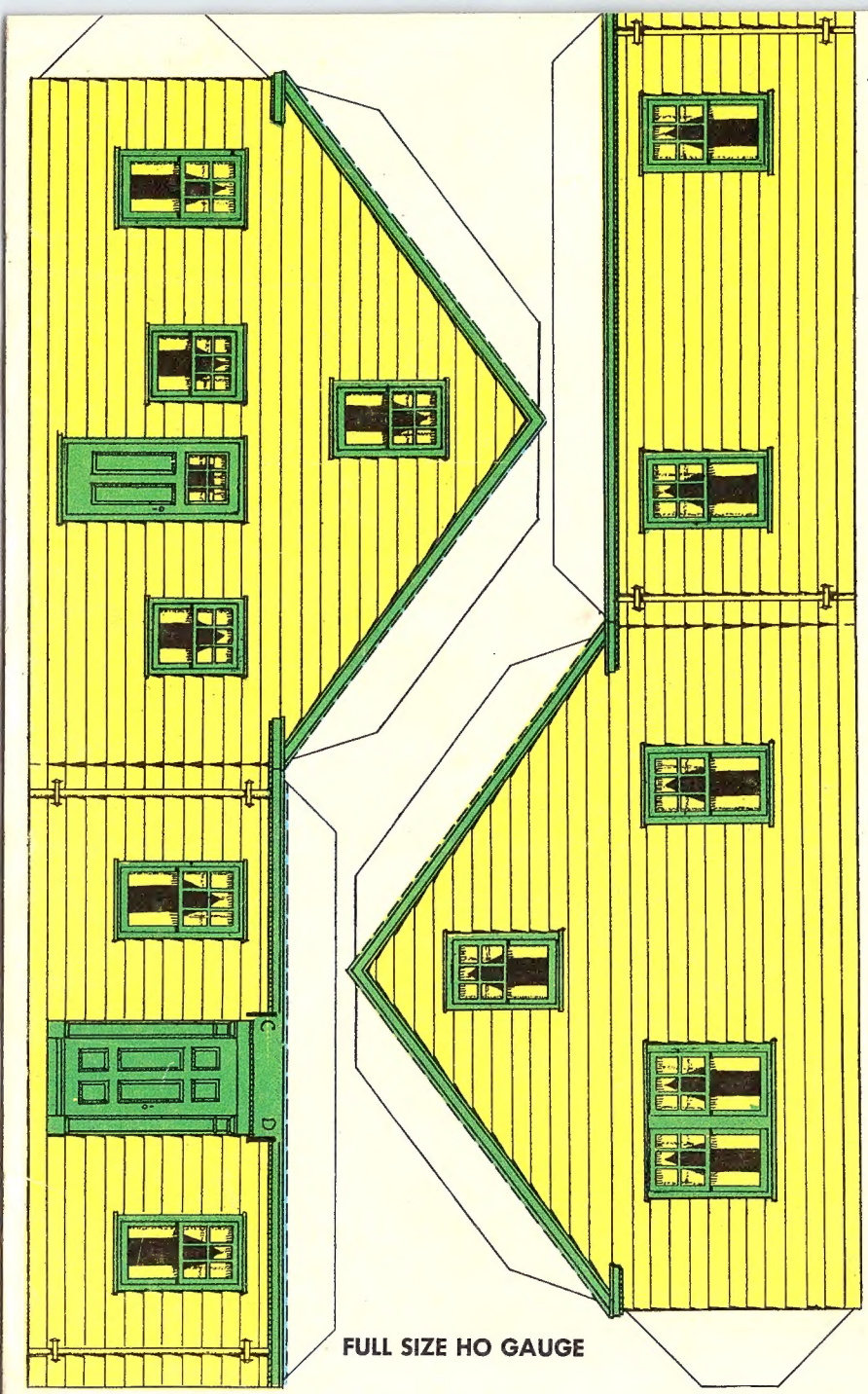
lettering



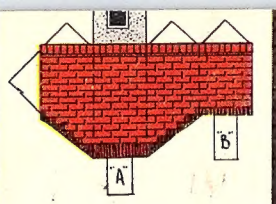
side *section*



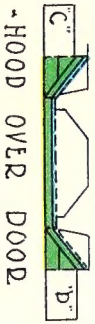
top view of frame



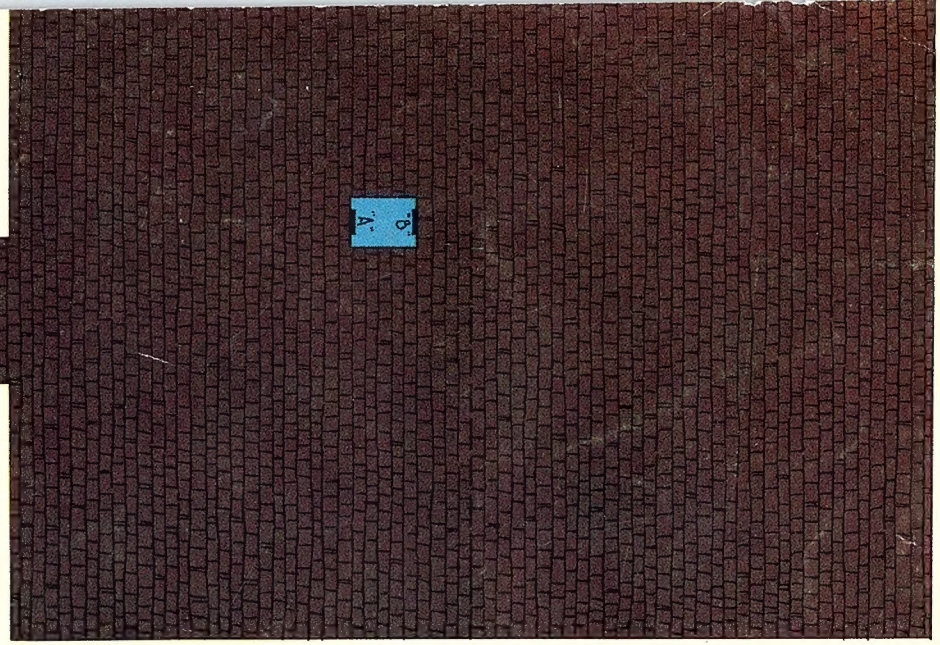
FULL SIZE HO GAUGE



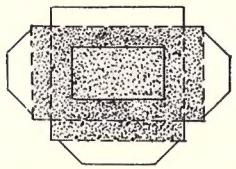
CHIMNEY

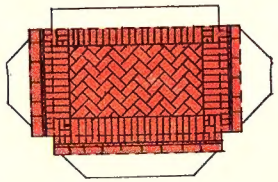


HOOD OVER DOOR

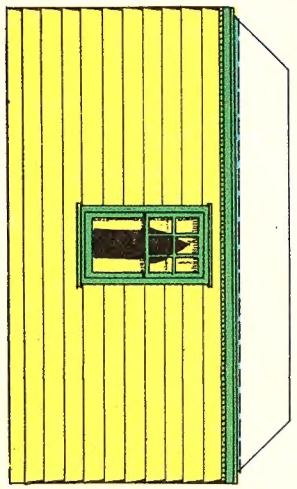


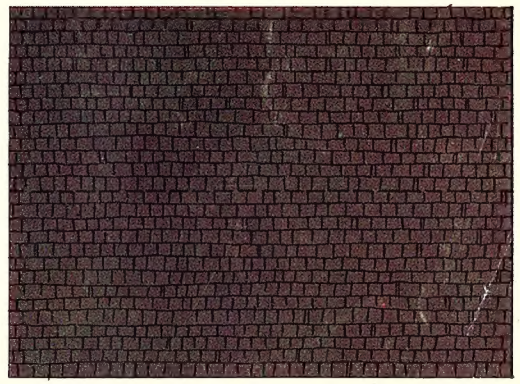
REAR STEP





FRONT STOOP





GARAGE ROOF